

U. S. TREASURY DEPARTMENT

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THE NOTIFIABLE DISEASES

PREVALENCE DURING 1930 IN CITIES
OF OVER 100,000

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THE NOTIFIABLE DISEASES

PREVALENCE DURING 1930 IN CITIES OF OVER 100,000¹

The following tables were compiled from data furnished by the health officers of the cities.

The following is a list of the diseases included:

Anthrax.	Rabies in man.
Chicken pox.	Rocky Mountain spotted (or tick) fever.
Dengue.	Scarlet fever.
Diphtheria.	Septic sore throat.
Influenza.	Smallpox.
Lethargic encephalitis.	Tuberculosis (all forms and respiratory system).
Malaria.	Tularaemia.
Measles.	Typhoid fever.
Meningococcus meningitis.	Typhus fever.
Mumps.	Undulant fever.
Pellagra.	Whooping cough.
Pneumonia (all forms).	
Poliomyelitis.	
Rabies in animals.	

The populations which were used in computing the rates, were estimated as of July 1, 1930. The estimates are based on the Federal censuses of 1920 and 1930. The populations given are these estimated populations to the nearest hundred. In a few cases where the city showed a decrease in population between 1920 and 1930, no estimate is made, but the population as of April 1, 1930, is used in computing the rates.

The estimated expectancy given in the tables for some of the diseases is the result of an attempt to ascertain from the experience of recent years how many cases of the disease under consideration might be expected in 1930. In most instances the estimated expectancy is the median number of cases reported by the city for the years 1923 to 1929, inclusive. When several epidemics have occurred during these years, or when for other reasons the median is not satisfactory, epidemic years are excluded, and the estimated expectancy is the mean of the number of cases reported for the nonepidemic years. The aim has been to ascertain how many cases of each disease may reasonably be expected in the absence of epidemics.

The column headed "Number of years" shows the number of years later than 1922 for which data were available for each city.

In comparing the figures for 1930 with the estimated expectancy, or with reports for preceding years, it should be borne in mind that

¹ Data for cities having 10,000 to 100,000 population are published in Supplement No. 100.

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for several years there has been a gradual improvement in the reporting of communicable diseases. An increase in the number of cases reported may be due to better reporting rather than to an increase in the number of cases occurring.

In studying these tables it should be kept in mind that a relatively large number of reported cases of a communicable disease as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths, as indicated by a low fatality rate) usually means that the health department of the city reporting is active and that the cases of the disease are being well reported by the practicing physicians. It does not always mean that the disease is more prevalent in that city than in other cities. A high fatality rate may mean that the disease was unusually virulent in a city; that the physicians did not treat the disease in that city with the success usual elsewhere; or that the practicing physicians did not report all of their cases to the health department. On the other hand, an unusually low fatality rate may be due to the fact that the disease in the city was unusually mild; that the physicians treated it with unusual success; that the practicing physicians reported their cases satisfactorily; or that the registration of deaths was incomplete or the assignment of the causes of death inaccurate.

Cities which did not report either cases or deaths of a certain disease in 1930 (except smallpox) are not included in the table for that disease.

The following table gives a comparison of the rates for some of the principal communicable diseases in the large cities of the United States for the years 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, and 1930.

	Cases		Deaths			Cases		Deaths	
	Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population		Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population
Chicken pox:					Diphtheria—Continued.				
1922.....	68	1.69	68	0.001	1929.....	82	1.10	83	0.079
1923.....	77	2.02	77	.001	1930.....	90	.74	89	.052
1924.....	82	2.45	82	.001	Influenza:				
1925.....	69	1.89	69	.001	1922.....			70	.161
1926.....	68	2.24	68	.001	1923.....			77	.207
1927.....	73	2.46	73	.001	1924.....			80	.098
1928.....	75	2.17	75	.001	1925.....			66	.151
1929.....	82	2.29	81	.001	1926.....			66	.236
1930.....	90	2.27	89	.001	1927.....			75	.135
Diphtheria:					1928.....			73	.253
1922.....	73	2.25	73	.155	1929.....			81	.265
1923.....	77	1.97	77	.132	1930.....			84	.091
1924.....	82	1.67	83	.111	Lethargic encephalitis:				
1925.....	69	1.39	69	.100	1924.....			68	.022
1926.....	70	1.33	70	.097	1925.....			58	.022
1927.....	76	1.63	76	.106	1926.....			59	.090
1928.....	75	1.29	75	.094	1927.....			65	.017

	Cases		Deaths			Cases		Deaths	
	Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population		Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population
Lethargic encephalitis—Continued.					Scarlet fever:				
1922			64	0.016	1922	73	1.80	73	0.033
1923			62	.014	1923	77	2.07	77	.035
1924			63	.010	1924	82	2.15	82	.027
1925			68	.026	1925	68	2.26	68	.026
1926			70	.023	1926	70	2.13	70	.024
1927	72	5.26	72	.080	1927	76	2.37	76	.021
1928	77	7.11	77	.076	1928	75	1.78	75	.018
1929	80	4.36	83	.048	1929	82	1.84	83	.021
1930	69	3.32	69	.032	1930	90	1.81	89	.021
Measles:					Smallpox:				
1922	72	5.26	72	.080	1922	75	.17	75	.0119
1923	77	7.11	77	.076	1923	78	.18	78	.0014
1924	80	4.36	83	.048	1924	83	.50	83	.0164
1925	69	3.32	69	.032	1925	69	.25	69	.0139
1926	70	7.92	70	.082	1926	70	.16	70	.0009
1927	72	3.07	72	.020	1927	76	.14	76	.0003
1928	75	5.88	75	.050	1928	75	.09	75	.0001
1929	82	3.07	81	.016	1929	82	.14	82	.0006
1930	90	4.24	88	.022	1930	90	.15	89	.0003
Meningococcus meningitis:					Tuberculosis (all forms):				
1922	41	.03	67	.016	1922			72	1.010
1923	40	.02	64	.016	1923			77	.981
1924	39	.02	64	.015	1924			82	.962
1925	48	.02	61	.014	1925			69	.926
1926	49	.03	56	.018	1926			69	.900
1927	58	.04	64	.024	1927			75	.829
1928	65	.10	69	.049	1928			75	.849
1929	73	.15	80	.080	1929			80	.817
1930	72	.11	80	.056	1930			87	.759
Mumps:					Tuberculosis (respiratory system):				
1922	66	.72	66	.0005	1922			64	.870
1923	69	.75	69	.0005	1923			67	.846
1924	75	1.66	76	.0006	1924			70	.821
1925	66	.67	66	.0006	1925			60	.790
1926	63	.76	63	.0009	1926			61	.779
1927	69	1.60	69	.0005	1927			70	.722
1928	68	1.40	68	.0006	1928			69	.740
1929	75	1.20	77	.0008	1929			79	.696
1930	80	1.28	81	.0006	1930			83	.651
Pellagra:					Typhoid fever:				
1922			26	.009	1922	73	.19	73	.033
1923			32	.011	1923	77	.19	77	.033
1924			32	.009	1924	81	.22	83	.034
1925			28	.009	1925	68	.21	69	.035
1926			29	.012	1926	69	.16	69	.028
1927			34	.019	1927	74	.14	76	.020
1928			34	.019	1928	73	.11	75	.020
1929			37	.019	1929	81	.09	82	.017
1930			41	.019	1930	87	.10	88	.016
Pneumonia (all forms):					Whooping cough:				
1922			74	1.359	1922	76	1.67	76	.064
1923			75	1.514	1923	77	1.56	81	.054
1924			83	1.347	1924	65	1.68	68	.056
1925			68	1.327	1925	67	1.92	67	.064
1926			69	1.450	1926	72	1.43	77	.038
1927			77	1.093	1927	71	1.70	75	.048
1928			75	1.386	1928	81	1.82	83	.044
1929			81	1.257	1929	89	1.31	89	.025
1930			87	1.041					
Poliomyelitis:									
1924	66	.07	72	.010					
1925	63	.05	63	.013					
1926	62	.03	62	.006					
1927	75	.09	77	.014					
1928	66	.05	70	.012					
1929	74	.03	76	.006					
1930	78	.08	77	.010					

Reported Prevalence for the Year 1930

ANTHRAX

City	Cases reported, 1930	Deaths registered, 1930	City	Cases reported, 1930	Deaths registered, 1930
Delaware:			Massachusetts—Continued.		
Wilmington.....	1	1	Springfield.....	1	0
Florida:			New Jersey:		
Miami.....		1	Camden.....	2	1
Illinois:			New York:		
Chicago.....	1	1	New York.....	2	1
Louisiana:			Pennsylvania:		
New Orleans.....	3	1	Philadelphia.....	7	0
Massachusetts:			Tennessee:		
Boston.....	1	1	Memphis.....	1	0
Lynn.....	3	0			

CHICKEN POX

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	308	243	0.929	0	-----	-----
California:								
Long Beach.....	144,100	7	419	537	3.726	0	-----	-----
Los Angeles.....	1,254,200	7	2,173	2,279	1.817	1	0.001	2,279
Oakland.....	285,700	7	1,129	929	3.251	0	-----	-----
San Diego.....	149,800	7	550	1,247	8.325	1	.007	1,247
San Francisco.....	637,500	7	1,365	1,443	2.263	0	-----	-----
Colorado:								
Denver.....	288,600	7	989	3,128	10.838	0	-----	-----
Connecticut:								
Bridgeport.....	146,800	7	100	88	.599	0	-----	-----
Hartford.....	164,700	7	264	221	1.342	0	-----	-----
New Haven.....	162,700	7	568	954	5.865	0	-----	-----
Waterbury.....	100,100	7	54	38	.380	0	-----	-----
Delaware:								
Wilmington.....	1106,597	7	131	100	.938	0	-----	-----
District of Columbia:								
Washington.....	488,100	7	1,035	807	1.653	0	-----	-----
Florida:								
Jacksonville.....	130,500	4	295	885	6.783	0	-----	-----
Miami.....	112,600	6	158	101	.897	0	-----	-----
Tampa.....	102,400	7	102	189	1.846	0	-----	-----
Georgia:								
Atlanta.....	272,100	7	156	70	.257	0	-----	-----
Illinois:								
Chicago.....	3,392,900	7	4,604	4,495	1.325	1	.000	4,495
Peoria.....	105,700	6	273	270	2.555	0	-----	-----
Indiana:								
Evansville.....	102,700	4	91	196	1.909	0	-----	-----
Fort Wayne.....	115,600	7	163	106	.917	0	-----	-----
Gary.....	101,500	6	160	331	3.260	0	-----	-----
Indianapolis.....	365,400	7	1,433	970	2.655	0	-----	-----
South Bend.....	105,000	6	145	109	1.038	0	-----	-----
Iowa:								
Des Moines.....	143,000	6	22	45	.315	0	-----	-----
Kansas:								
Kansas City.....	122,400	7	260	272	2.223	0	-----	-----
Kentucky:								
Louisville.....	309,500	4	186	120	.388	1	.003	120
Louisiana:								
New Orleans.....	460,500	6	95	47	.102	0	-----	-----
Maryland:								
Baltimore.....	806,600	7	3,025	3,873	4.802	1	.001	3,873
Massachusetts:								
Boston.....	782,000	7	2,039	2,220	2.839	0	-----	-----
Cambridge.....	113,700	7	499	655	5.759	0	-----	-----
Fall River.....	115,274	7	130	310	2.689	0	-----	-----
Lynn.....	102,400	7	117	276	2.695	0	-----	-----
New Bedford.....	112,597	5	128	76	.675	0	-----	-----
Somerville.....	104,200	7	105	135	1.296	0	-----	-----
Springfield.....	150,400	7	328	552	3.670	0	-----	-----
Worcester.....	195,700	7	458	725	3.705	0	-----	-----

¹ Population Apr. 1, 1930.

CHICKEN POX—Continued.

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Michigan:								
Detroit.....	1,582,700	7	3,041	3,140	1.984	3	0.002	1,047
Flint.....	158,100	7	552	664	4.201	0	—	—
Grand Rapids.....	169,300	7	254	175	1.033	0	—	—
Minnesota:								
Duluth.....	101,500	6	350	306	3.014	0	—	—
Minneapolis.....	466,400	7	3,842	2,203	4.723	0	—	—
St. Paul.....	272,500	7	1,263	1,324	4.859	0	—	—
Missouri:								
Kansas City.....	401,600	7	884	920	2.291	1	.002	920
St. Louis.....	823,200	7	1,060	1,124	1.365	0	—	—
Nebraska:								
Omaha.....	214,600	6	316	399	1.860	1	.005	399
New Jersey:								
Camden.....	118,800	7	209	157	1.322	0	—	—
Elizabeth.....	115,000	7	310	258	2.243	0	—	—
Jersey City.....	317,200	7	194	127	.400	0	—	—
Newark.....	443,000	7	1,622	1,663	3.754	0	—	—
Paterson.....	138,600	6	387	342	2.468	0	—	—
Trenton.....	123,500	7	128	211	1.709	0	—	—
New York:								
Albany.....	127,800	7	456	460	3.601	1	.008	460
Buffalo.....	574,700	7	939	1,015	1.766	0	—	—
New York.....	6,962,400	7	8,260	7,901	1.135	10	.001	790
Rochester.....	328,900	7	424	557	1.693	0	—	—
Syracuse.....	210,200	7	722	1,137	5.408	0	—	—
Utica.....	101,900	7	200	220	2.158	0	—	—
Yonkers.....	135,500	7	250	234	1.727	0	—	—
Ohio:								
Akron.....	256,200	7	358	1,032	4.028	0	—	—
Canton.....	105,300	7	311	384	3.645	0	—	—
Cincinnati.....	452,400	7	490	416	.920	0	—	—
Cleveland.....	903,000	7	3,098	4,875	5.399	0	—	—
Columbus.....	291,900	7	375	625	2.141	0	—	—
Dayton.....	202,200	7	139	159	.786	0	—	—
Toledo.....	291,900	7	1,746	2,060	7.058	0	—	—
Youngstown.....	170,900	7	397	441	2.580	0	—	—
Oklahoma:								
Tulsa.....	142,900	4	339	450	3.148	0	—	—
Oregon:								
Portland.....	302,900	7	583	631	2.083	1	.003	631
Pennsylvania:								
Erie.....	116,500	7	539	459	3.939	0	—	—
Philadelphia.....	1,954,100	7	4,388	3,838	1.964	4	.002	959
Pittsburgh.....	671,800	7	1,953	1,556	2.316	1	.001	1,556
Reading.....	111,300	7	437	451	4.054	0	—	—
Scranton.....	143,600	6	144	178	1.240	—	—	—
Rhode Island:								
Providence.....	253,400	7	123	303	1.196	0	—	—
Tennessee:								
Knoxville.....	106,500	7	43	149	1.399	0	—	—
Memphis.....	255,400	7	417	693	2.714	0	—	—
Nashville.....	154,700	7	94	96	.620	0	—	—
Texas:								
Dallas.....	262,900	7	397	357	1.358	0	—	—
El Paso.....	103,000	7	278	366	3.552	1	.010	366
Fort Worth.....	164,800	7	188	348	2.111	0	—	—
Houston.....	296,100	7	61	73	.247	0	—	—
San Antonio.....	233,300	7	22	52	.223	0	—	—
Utah:								
Salt Lake City.....	140,800	7	1,076	647	4.595	0	—	—
Virginia:								
Norfolk.....	130,000	7	433	374	2.876	0	—	—
Richmond.....	183,200	7	181	111	.606	0	—	—
Washington:								
Seattle.....	366,800	7	1,298	1,298	3.539	0	—	—
Spokane.....	115,800	7	678	693	5.985	0	—	—
Tacoma.....	107,100	7	282	235	2.195	0	—	—
Wisconsin:								
Milwaukee.....	581,200	6	2,966	5,051	8.691	1	.002	5,051
Total:								
89 cities.....	35,930,868	—	73,410	81,802	2.277	29	.001	2,821
90 cities.....	36,074,468	—	73,554	81,980	2.273	—	—	—

* Includes nonresidents.

DENGUE

City	Cases reported, 1930	Deaths registered, 1930	City	Cases reported, 1930	Deaths registered, 1930
Georgia:			Pennsylvania:		
Atlanta.....	2	1	Pittsburgh.....	12	12
Ohio:			Texas:		
Cleveland.....		3	Houston.....		1

¹ Includes nonresidents.

DIPHTHERIA

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	190	192	0.734	20	0.076	10
California:								
Long Beach.....	144,100	7	78	31	.215	2	.014	15
Los Angeles.....	1,254,200	7	1,730	751	.599	70	.056	11
Oakland.....	285,700	7	376	105	.367	11	.038	10
San Diego.....	149,800	7	154	34	.227	3	.020	11
San Francisco.....	637,500	7	612	264	.414	14	.022	19
Colorado:								
Denver.....	288,600	7	452	213	.738	10	.035	21
Connecticut:								
Bridgeport.....	146,800	7	254	33	.225	4	.027	8
Hartford.....	164,700	7	227	81	.492	0		
New Haven.....	162,700	7	49	14	.086	1	.006	14
Waterbury.....	100,100	7	79	36	.360	3	.030	12
Delaware:								
Wilmington.....	106,597	7	157	51	.478	12	.113	4
District of Columbia:								
Washington.....	488,100	7	685	537	1.100	18	.037	30
Florida:								
Jacksonville.....	130,500	4	110	63	.483	7	.054	9
Miami.....	112,600	6	96	92	.817	4	.036	23
Tampa.....	102,400	7	74	69	.674	3	.029	23
Georgia:								
Atlanta.....	272,100	7	218	177	.651	3	.011	59
Illinois:								
Chicago.....	3,392,900	7	4,123	4,962	1.462	411	.121	12
Peoria.....	105,700	6	27	42	.397	6	.057	7
Indiana:								
Evansville.....	102,700	4	53	44	.429	4	.039	11
Fort Wayne.....	115,600	7	170	56	.484	1	.009	56
Gary.....	101,500	6	52	41	.404	3	.030	14
Indianapolis.....	365,400	7	301	167	.457	13	.036	13
South Bend.....	105,000	6	104	53	.505	6	.057	9
Iowa:								
Des Moines.....	143,000	7	87	19	.133	3	.021	6
Kansas:								
Kansas City.....	122,400	7	94	67	.548	6	.049	11
Kentucky:								
Louisville.....	309,500	5	165	117	.378	5	.016	23
Louisiana:								
New Orleans.....	460,500	7	554	560	1.216	39	.085	14
Maryland:								
Baltimore.....	806,600	7	897	522	.647	20	.025	26
Massachusetts:								
Boston.....	782,000	7	1,256	963	1.231	23	.029	42
Cambridge.....	113,700	7	169	90	.791	1	.009	90
Fall River.....	115,274	7	141	117	1.015	4	.035	29
Lynn.....	102,400	7	148	192	1.875	11	.107	17
New Bedford.....	112,597	7	129	156	1.385	10	.089	16
Somerville.....	104,200	7	127	187	1.795	28	.269	7
Springfield.....	150,400	7	179	136	.904	8	.053	17
Worcester.....	195,700	7	269	193	.986	18	.041	24

¹ Population, Apr. 1, 1930.¹ Includes 4 nonresidents.

NOTIFIABLE DISEASES—LARGE CITIES—1930

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DIPHTHERIA—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Michigan:								
Detroit.....	1,582,700	7	2,424	1,847	1.167	173	0.109	11
Flint.....	158,100	7	136	46	.291	0		
Grand Rapids.....	169,300	7	54	16	.094	5	.030	3
Minnesota:								
Duluth.....	101,500	7	43	17	.167	1	.010	17
Minneapolis.....	466,400	7	1,138	228	.489	11	.024	21
St. Paul.....	272,500	7	481	65	.239	6	.022	11
Missouri:								
Kansas City.....	401,600	7	212	196	.488	16	.040	12
St. Louis.....	823,200	7	1,592	960	1.166	42	.051	23
Nebraska:								
Omaha.....	214,600	6	244	333	1.552	8	.037	42
New Jersey:								
Camden.....	118,800	7	307	158	1.330	14	.118	11
Elizabeth.....	115,000	7	278	143	1.243	15	.130	10
Jersey City.....	317,200	7	537	648	2.043	52	.164	12
Newark.....	443,000	7	634	871	1.966	47	.106	19
Paterson.....	138,600	6	216	238	1.717	12	.087	20
Trenton.....	123,500	7	85	90	.729	7	.057	13
New York:								
Albany.....	127,800	7	112	39	.305	4	.031	10
Buffalo.....	574,700	7	686	424	.738	50	.087	8
New York.....	6,962,400	7	9,051	3,794	.545	198	.028	19
Rochester.....	328,900	7	371	85	.258	5	.015	17
Syracuse.....	210,200	7	109	23	.109	2	.010	11
Utica.....	101,900	7	347	19	.186	2	.020	9
Yonkers.....	135,500	7	227	31	.229	2	.015	15
Ohio:								
Akron.....	256,200	7	244	78	.264	8	.031	10
Canton.....	105,300	7	67	20	.190	2	.019	10
Cincinnati.....	452,400	7	397	130	.287	13	.029	10
Cleveland.....	903,000	7	1,621	522	.578	37	.041	14
Columbus.....	291,900	7	208	159	.545	10	.034	16
Dayton.....	202,200	7	121	29	.143	1	.005	29
Toledo.....	291,900	7	250	174	.596	7	.024	25
Youngstown.....	170,900	7	144	75	.439	11	.064	7
Oklahoma:								
Tulsa.....	142,900	4	135	90	.630	3	.021	30
Oregon:								
Portland.....	302,900	7	455	127	.419	13	.043	10
Pennsylvania:								
Erie.....	116,500	7	182	33	.283	4	.034	8
Philadelphia.....	1,954,100	7	2,750	635	.325	48	.025	13
Pittsburgh.....	671,800	7	895	1,760	1.131	57	.085	13
Reading.....	111,300	7	90	42	.378	4	.036	10
Scranton.....	143,600	6	175	43	.300			
Rhode Island:								
Providence.....	253,400	7	372	188	.742	20	.079	9
Tennessee:								
Knoxville.....	106,500	7	47	64	.601	3	.028	21
Memphis.....	255,400	7	206	185	.724	12	.047	15
Nashville.....	154,700	7	79	73	.472	17	.110	4
Texas:								
Dallas.....	262,900	7	447	382	1.453	18	.068	21
El Paso.....	103,000	7	65	60	.582	9	.087	7
Fort Worth.....	164,800	7	168	121	.734	7	.042	17
Houston.....	296,100	7	344	347	1.172	12	.041	29
San Antonio.....	233,300	6	186	141	.604	17	.073	8
Utah:								
Salt Lake City.....	140,800	7	166	34	.241	1	.007	34
Virginia:								
Norfolk.....	130,000	7	71	89	.684	8	.062	11
Richmond.....	183,200	7	327	159	.868	10	.055	16
Washington:								
Seattle.....	366,800	7	188	21	.057	6	.016	3
Spokane.....	115,800	7	118	38	.328	2	.017	19
Tacoma.....	107,100	7	153	147	1.373	9	.084	16
Wisconsin:								
Milwaukee.....	581,200	7	757	209	.360	21	.036	10
Total:								
89 cities.....	35,930,868		45,123	26,830	.747	1,857	.052	14
90 cities.....	36,074,468		45,298	26,873	.745			

* Includes nonresidents.

INFLUENZA

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham.....	261,600	262	1.001	79	0.302	3
California:						
Long Beach.....	144,100	46	.319	3	.021	15
Los Angeles.....	1,254,200	930	.742	75	.060	12
Oakland.....	285,700	13	.045	8	.028	2
San Diego.....	149,800	41	.274	16	.107	3
San Francisco.....	637,500	92	.144	33	.052	3
Colorado:						
Denver.....	288,600			55	.191	
Connecticut:						
Bridgeport.....	146,800	45	.307	39	.266	1
Hartford.....	164,700	27	.164	11	.067	2
New Haven.....	162,700			11	.068	
Waterbury.....	100,100	7	.070	3	.030	2
Delaware:						
Wilmington.....	106,597			15	.141	
District of Columbia:						
Washington.....	488,100	56	.115	40	.082	1
Florida:						
Jacksonville.....	130,500			25	.192	
Miami.....	112,600	22	.195	11	.098	
Tampa.....	102,400			30	.293	
Georgia:						
Atlanta.....	272,100	723	2.657	73	.268	10
Illinois:						
Chicago.....	3,392,900	306	.090	189	.056	2
Peoria.....	105,700			7	.066	
Indiana:						
Evansville.....	102,700			5	.049	
Fort Wayne.....	115,600			15	.130	
Indianapolis.....	365,400			133	.364	
South Bend.....	105,000			8	.076	
Iowa:						
Des Moines.....	143,000			28	.196	
Kansas:						
Kansas City.....	122,400			20	.163	
Kentucky:						
Louisville.....	309,500	24	.078	11	.036	2
Louisiana:						
New Orleans.....	460,500	202	.439	190	.413	1
Maryland:						
Baltimore.....	806,600	439	.544	73	.091	6
Massachusetts:						
Boston.....	782,000	90	.115	17	.022	5
Cambridge.....	113,700	14	.123	3	.026	5
Fall River.....	115,274	13	.113	12	.104	1
Lynn.....	102,400	4	.039	0		
Somerville.....	104,200	2	.019	1	.010	2
Springfield.....	150,400	5	.033	5	.033	1
Worcester.....	195,700	7	.036	5	.026	1
Michigan:						
Detroit.....	1,582,700	158	.100	104	.066	2
Flint.....	158,100			4	.025	
Grand Rapids.....	169,300			28	.165	
Minnesota:						
Duluth.....	101,506			8	.079	
Minneapolis.....	466,400			52	.111	
St. Paul.....	272,500			29	.106	
Missouri:						
Kansas City.....	401,600			25	.062	
St. Louis.....	823,200	49	.060	1	.001	49
New Jersey:						
Camden.....	118,800			22	.185	
Elizabeth.....	115,000			18	.156	
Jersey City.....	317,200			36	.114	
Newark.....	443,000	182	.411	14	.032	13
Paterson.....	138,600	12	.087	12	.087	1
Trenton.....	123,500	12	.097	6	.049	2
New York:						
Albany.....	127,800			1	.008	
Buffalo.....	574,700			24	.042	
New York.....	6,962,400	1,010	.145	483	.069	2
Rochester.....	328,900			7	.021	
Syracuse.....	210,200			15	.071	
Utica.....	101,900	20	.196	4	.039	5
Yonkers.....	135,500			5	.037	

¹ Population, Apr. 1, 1930.

INFLUENZA—Continued

City	Estimated population, July 1, 1930	Cases report- ed, 1930	Cases per 1,000 in- habit- ants	Deaths regis- tered, 1930	Deaths per 1,000 in- habit- ants	Cases report- ed for each death regis- tered
Ohio:						
Akron.....	256,200	-----	-----	12	0.047	-----
Canton.....	105,300	-----	-----	3	.028	-----
Cincinnati.....	452,400	-----	-----	51	.113	-----
Cleveland.....	903,000	313	0.347	48	.053	7
Columbus.....	291,900	66	.226	51	.175	1
Dayton.....	202,200	-----	-----	24	.119	-----
Toledo.....	291,900	54	.185	-----	-----	-----
Youngstown.....	170,900	63	.369	12	.070	5
Oregon:						
Portland.....	302,900	78	.258	15	.050	5
Pennsylvania:						
Erie.....	116,500	-----	-----	5	.043	-----
Philadelphia.....	1,954,100	276	.141	218	.112	1
Pittsburgh.....	671,800	-----	-----	134	.199	-----
Reading.....	111,300	-----	-----	8	.072	-----
Scranton.....	143,600	2	.014	-----	-----	-----
Rhode Island:						
Providence.....	253,400	9	.036	5	.020	2
Tennessee:						
Knoxville.....	106,500	121	1.136	12	.113	10
Memphis.....	255,400	-----	-----	53	.208	-----
Nashville.....	154,700	-----	-----	45	.291	-----
Texas:						
Dallas.....	262,900	-----	-----	51	.194	-----
El Paso.....	103,000	-----	-----	37	.359	-----
Fort Worth.....	164,800	-----	-----	29	.176	-----
Houston.....	296,100	-----	-----	29	.098	-----
San Antonio.....	233,300	-----	-----	11	.047	-----
Utah:						
Salt Lake City.....	140,800	-----	-----	29	.206	-----
Virginia:						
Norfolk.....	130,000	9	.069	2	.015	4
Richmond.....	183,200	-----	-----	45	.246	-----
Washington:						
Seattle.....	366,800	-----	-----	39	.106	-----
Spokane.....	115,800	-----	-----	34	.294	-----
Tacoma.....	107,100	-----	-----	9	.084	-----
Wisconsin:						
Milwaukee.....	581,200	40	.069	36	.062	1
Total:						
39 cities.....	25,419,674	5,788	.228	1,920	.076	3
41 cities.....	25,855,174	5,844	.226	-----	-----	-----
84 cities.....	35,067,371	-----	-----	3,194	.091	-----

LETHARGIC ENCEPHALITIS

Alabama:						
Birmingham.....	261,600	7	0.027	6	0.023	1
California:						
Long Beach.....	144,100	2	.014	1	.007	2
Los Angeles.....	1,254,200	1	.001	0	-----	-----
Oakland.....	285,700	3	.010	3	.010	1
San Diego.....	149,800	2	.013	1	.007	2
San Francisco.....	637,500	9	.014	7	.011	1
Colorado:						
Denver.....	288,600	-----	-----	5	.017	-----
Connecticut:						
Bridgeport.....	146,800	1	.007	0	-----	-----
Waterbury.....	100,100	1	.010	1	.010	1
District of Columbia:						
Washington.....	488,100	5	.010	2	.004	2
Florida:						
Miami.....	112,600	-----	-----	1	.009	-----
Tampa.....	102,400	1	.010	1	.010	1
Georgia:						
Atlanta.....	272,100	-----	-----	1	.004	-----

* Includes nonresidents.

LETHARGIC ENCEPHALITIS—Continued

City	Estimated population, July 1, 1930	Cases report- ed, 1930	Cases per 1,000 in- habit- ants	Deaths regis- tered, 1930	Deaths per 1,000 in- habit- ants	Cases report- ed for each death regis- tered
Illinois:						
Chicago.....	3,392,900	27	0.008	20	0.006	1
Peoria.....	105,700	5	.047	5	.047	1
Indiana:						
Indianapolis.....	365,400	-----	-----	1	.003	-----
Iowa:						
Des Moines.....	143,000	-----	-----	2	.014	-----
Kansas:						
Kansas City.....	122,400	1	.008	1	.008	1
Kentucky:						
Louisville.....	309,500	-----	-----	2	.006	-----
Maryland:						
Baltimore.....	806,600	-----	-----	16	.020	-----
Massachusetts:						
Boston.....	782,000	7	.009	4	.005	2
Cambridge.....	113,700	2	.018	1	.009	2
Lynn.....	102,400	2	.020	0	-----	-----
Springfield.....	150,400	4	.027	4	.027	1
Worcester.....	195,700	4	.020	3	.015	1
Michigan:						
Detroit.....	1,582,700	40	.025	12	.008	3
Grand Rapids.....	169,300	-----	-----	3	.018	-----
Minnesota:						
Duluth.....	101,500	-----	-----	1	.010	-----
Minneapolis.....	466,400	3	.006	2	.004	1
St. Paul.....	272,500	4	.015	4	.015	1
Missouri:						
Kansas City.....	401,600	-----	-----	2	.005	-----
St. Louis.....	823,200	-----	-----	13	.016	-----
New Jersey:						
Camden.....	118,800	-----	-----	1	.008	-----
Jersey City.....	317,200	-----	-----	2	.006	-----
Newark.....	443,000	11	.025	7	.016	2
Trenton.....	123,500	-----	-----	1	.008	-----
New York:						
Albany.....	127,800	1	.008	1	.008	1
Buffalo.....	574,700	2	.003	1	.002	2
New York.....	6,962,400	100	.014	63	.009	2
Rochester.....	328,900	2	.006	1	.003	2
Syracuse.....	210,200	2	.010	1	.005	2
Yonkers.....	135,500	3	.022	2	.015	1
Ohio:						
Akron.....	256,200	-----	-----	1	.004	-----
Canton.....	105,300	4	.038	4	.038	1
Cleveland.....	903,000	7	.008	5	.006	1
Columbus.....	291,900	-----	-----	16	.055	-----
Dayton.....	202,200	-----	-----	3	.015	-----
Toledo.....	291,900	4	.014	3	.010	1
Oregon:						
Portland.....	302,900	11	.036	7	.023	2
Pennsylvania:						
Philadelphia.....	1,954,100	18	.009	12	.006	1
Pittsburgh.....	671,800	-----	-----	11	.016	-----
Rhode Island:						
Providence.....	253,400	4	.016	3	.012	1
Tennessee:						
Memphis.....	255,400	2	.008	2	.008	1
Nashville.....	154,700	6	.039	6	.039	1
Texas:						
Dallas.....	262,900	2	.008	2	.008	1
Houston.....	296,100	-----	-----	1	.003	-----
San Antonio.....	233,300	-----	-----	1	.004	-----
Utah:						
Salt Lake City.....	140,800	-----	-----	6	.043	-----
Virginia:						
Richmond.....	183,200	-----	-----	5	.027	-----
Washington:						
Seattle.....	366,800	-----	-----	11	.030	-----
Spokane.....	115,800	4	.035	4	.035	1
Tacoma.....	107,100	-----	-----	1	.009	-----
Wisconsin:						
Milwaukee.....	581,200	3	.005	2	.003	1
Total:						
39 cities.....	24,820,200	317	.013	204	.008	2
63 cities.....	31,922,500	-----	-----	311	.010	-----

¹ Includes nonresidents.

MALARIA

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham.....	261,600	88	0.336	5	0.019	18
California:						
Long Beach.....	144,100	2	.014	1	.007	2
Los Angeles.....	1,254,200	5	.004	0	—	—
San Francisco.....	637,500	—	—	2	.003	—
Connecticut:						
Bridgeport.....	146,800	1	.007	0	—	—
New Haven.....	162,700	1	.006	0	—	—
Florida:						
Jacksonville.....	130,500	55	.422	10	.077	5
Miami.....	112,600	17	.151	1	.009	17
Tampa.....	102,400	104	1.016	3	.029	35
Georgia:						
Atlanta.....	272,100	36	.132	5	.018	7
Illinois:						
Chicago.....	3,392,900	93	.027	3	.001	31
Kansas:						
Kansas City.....	122,400	1	.008	0	—	—
Louisiana:						
New Orleans.....	460,500	43	.093	6	.013	7
Maryland:						
Baltimore.....	806,600	14	.017	1	.001	14
Massachusetts:						
Boston.....	782,000	6	.008	2	.003	3
Springfield.....	150,400	2	.013	0	—	—
Michigan:						
Detroit.....	1,582,700	18	.011	1	.001	18
Flint.....	158,100	2	.013	0	—	—
Missouri:						
Kansas City.....	401,600	1	.002	0	—	—
St. Louis.....	823,200	139	.169	4	.005	35
New Jersey:						
Newark.....	443,000	3	.007	0	—	—
New York:						
New York.....	6,962,400	82	.012	3	.000	27
Rochester.....	328,900	1	.003	0	—	—
Syracuse.....	210,200	1	.005	0	—	—
Ohio:						
Akron.....	256,200	1	.004	0	—	—
Cleveland.....	903,000	13	.014	0	—	—
Columbus.....	291,900	12	.041	1	.003	12
Dayton.....	202,200	1	.005	1	.005	1
Toledo.....	291,900	1	.003	0	—	—
Pennsylvania:						
Erie.....	116,500	1	.009	0	—	—
Philadelphia.....	1,954,100	2	.001	1	.001	2
Tennessee:						
Knoxville.....	106,500	4	.038	0	—	—
Memphis.....	255,400	442	1.731	19	.074	23
Nashville.....	154,700	8	.052	1	.006	8
Texas:						
Dallas.....	262,900	10	.038	7	.027	1
El Paso.....	103,000	4	.039	1	.010	4
Fort Worth.....	164,800	3	.018	2	.012	1
Houston.....	296,100	—	—	12	.041	—
San Antonio.....	233,300	—	—	3	.013	—
Virginia:						
Norfolk.....	130,000	—	—	1	.006	—
Total:						
36 cities.....	24,275,000	1,217	.050	78	.003	16
40 cities.....	25,571,900	—	—	96	.004	—

MEASLES

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	1,226	604	2.308	4	0.015	151
California:								
Long Beach.....	144,100	7	347	1,716	11.905	1	.007	1,716
Los Angeles.....	1,254,200	7	666	6,709	5.349	43	.034	156
Oakland.....	285,700	7	624	3,831	13.408	12	.042	319
San Diego.....	149,800	7	304	1,382	9.226	2	.013	691
San Francisco.....	637,500	7	1,892	6,480	10.165	14	.022	463
Colorado:								
Denver.....	288,600	7	1,245	6,589	22.829	26	.090	253
Connecticut:								
Bridgeport.....	146,800	7	344	28	.191	0	.....	.....
Hartford.....	164,700	7	621	414	2.514	3	.018	138
New Haven.....	162,700	7	957	200	1.230	0	.....	.....
Waterbury.....	100,100	7	171	202	2.018	0	.....	.....
Delaware:								
Wilmington.....	106,597	7	416	62	.582	0	.....	.....
District of Columbia:								
Washington.....	488,100	7	794	897	1.838	1	.002	897
Florida:								
Jacksonville.....	130,500	4	812	2,841	21.774	14	.107	203
Miami.....	112,600	6	262	120	1.066	0	.....	.....
Tampa.....	102,400	7	112	1,269	12.396	0	.....	.....
Georgia:								
Atlanta.....	272,100	7	346	847	3.113	13	.048	65
Illinois:								
Chicago.....	3,392,900	7	13,175	1,033	.304	9	.003	115
Peoria.....	105,700	6	416	156	1.476	0	.....	.....
Indiana:								
Evansville.....	102,700	2	77	57	.555	0	.....	.....
Fort Wayne.....	115,600	7	660	58	.502	1	.009	58
Gary.....	101,500	5	225	93	.916	1	.010	93
Indianapolis.....	365,400	7	2,293	493	1.349	1	.003	493
South Bend.....	105,000	6	273	32	.305	0	.....	.....
Iowa:								
Des Moines.....	143,000	6	72	548	3.833	11	.077	50
Kansas:								
Kansas City.....	122,400	7	1,085	48	.392	1	.008	48
Kentucky:								
Louisville.....	309,500	5	824	88	.284	2	.006	44
Louisiana:								
New Orleans.....	460,500	7	298	713	1.548	32	.069	22
Maryland:								
Baltimore.....	806,600	7	4,256	451	.559	2	.002	225
Massachusetts:								
Boston.....	782,000	7	4,758	8,815	11.272	51	.065	173
Cambridge.....	113,700	7	764	1,414	12.432	6	.053	236
Fall River.....	115,274	7	537	42	.364	0	.....	.....
Lynn.....	102,400	7	504	418	4.082	0	.....	.....
New Bedford.....	112,597	7	693	57	.506	0	.....	.....
Somerville.....	104,200	7	489	823	7.900	3	.029	274
Springfield.....	150,400	7	1,061	69	.459	0	.....	.....
Worcester.....	195,700	7	921	3,003	15.346	5	.026	601
Michigan:								
Detroit.....	1,582,700	7	3,712	14,493	9.157	118	.075	123
Flint.....	158,100	7	727	1,911	12.089	3	.019	637
Grand Rapids.....	169,300	7	1,004	41	.242	1	.006	41
Minnesota:								
Duluth.....	101,500	7	274	1,117	11.002	7	.069	160
Minneapolis.....	466,400	6	1,889	962	2.063	6	.013	160
St. Paul.....	272,500	7	689	166	.609	2	.007	83
Missouri:								
Kansas City.....	401,600	7	1,860	204	.508	0	.....	.....
St. Louis.....	823,200	7	1,185	5,016	6.094	22	.027	228
Nebraska:								
Omaha.....	214,600	6	711	1,325	6.176	5	.023	265
New Jersey:								
Camden.....	118,800	7	749	447	3.764	5	.042	89
Elizabeth.....	115,000	7	394	2,583	22.451	3	.026	861
Jersey City.....	317,200	7	500	710	2.239	14	.044	51
Newark.....	443,000	7	3,031	5,675	12.810	19	.043	299
Paterson.....	138,600	6	1,045	413	2.980	2	.014	207
Trenton.....	123,500	7	277	444	3.596	7	.057	63

1 Population, Apr. 1, 1930.

2 Includes 1 nonresident.

MEASLES—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New York:								
Albany.....	127,800	7	1,373	84	0.658	1	0.008	84
Buffalo.....	574,700	7	1,036	484	.842	3	.005	161
New York.....	6,962,400	7	13,999	23,635	3.395	154	.022	153
Rochester.....	328,900	7	1,569	508	1.544	0	.....	.....
Syracuse.....	210,200	7	2,428	287	1.365	1	.005	287
Utica.....	101,900	7	654	1,287	12.627	12	.118	107
Yonkers.....	135,500	7	643	280	2.067	0	.....	.....
Ohio:								
Akron.....	256,200	7	551	740	2.889	1	.004	740
Canton.....	105,300	7	612	107	1.016	1	.009	107
Cincinnati.....	452,400	7	1,410	1,014	2.241	8	.018	127
Cleveland.....	903,000	7	3,211	293	.324	2	.002	146
Columbus.....	291,900	7	923	1,592	5.454	9	.031	177
Dayton.....	202,200	7	55	207	1.024	1	.005	207
Toledo.....	291,900	7	3,009	3,946	13.519	19	.065	208
Youngstown.....	170,900	7	922	198	1.158	1	.006	198
Oklahoma:								
Tulsa.....	142,900	4	182	3,730	26.094	.....	.....	.....
Oregon:								
Portland.....	302,900	7	1,533	541	1.786	2	.007	270
Pennsylvania:								
Erie.....	116,500	7	657	72	.618	0	.....	.....
Philadelphia.....	1,954,100	7	7,939	5,044	2.581	16	.008	315
Pittsburgh.....	671,800	7	3,980	5,191	7.727	37	.055	140
Reading.....	111,300	7	962	92	.827	0	.....	.....
Scranton.....	143,600	6	704	78	.543	.....	.....	.....
Rhode Island:								
Providence.....	253,400	7	1,928	108	.426	1	.004	108
Tennessee:								
Knoxville.....	106,500	7	413	878	8.245	3	.028	293
Memphis.....	255,400	7	949	34	.133	0	.....	.....
Nashville.....	154,700	7	342	422	2.727	3	.019	141
Texas:								
Dallas.....	262,900	7	848	2,440	9.279	12	.046	203
El Paso.....	103,000	7	675	1,162	11.279	13	.126	89
Fort Worth.....	164,800	6	222	194	1.177	1	.006	194
Houston.....	296,100	6	127	39	.132	0	.....	.....
San Antonio.....	233,300	7	85	29	.124	0	.....	.....
Utah:								
Salt Lake City.....	140,800	7	252	3,460	24.573	8	.057	432
Virginia:								
Norfolk.....	130,000	7	873	95	.730	0	.....	.....
Richmond.....	183,200	7	1,644	211	1.152	0	.....	.....
Washington:								
Seattle.....	366,800	7	2,321	4,271	11.644	7	.019	610
Spokane.....	115,800	7	1,245	245	2.116	2	.017	122
Tacoma.....	107,100	7	188	1,506	14.067	0	.....	.....
Wisconsin:								
Milwaukee.....	581,200	7	4,381	446	.767	0	.....	.....
Total:								
88 cities.....	35,787,968	.....	126,546	149,251	4.170	799	.022	189
90 cities.....	36,074,468	.....	127,432	153,059	4.243	.....	.....	.....

² Includes nonresidents.

MENINGOCOCCUS MENINGITIS

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	5	29	0.111	10	0.038	3
California:								
Long Beach.....	144,100	5	6	8	.056	2	.014	4
Los Angeles.....	1,254,200	7	49	61	.049	33	.026	2
Oakland.....	285,700	5	10	11	.038	11	.038	1
San Diego.....	149,800	6	11	6	.040	6	.040	1
San Francisco.....	637,500	7	19	31	.049	23	.036	1
Colorado:								
Denver.....	288,600	5	30	38	.132	26	.090	1
Connecticut:								
Bridgeport.....	146,800	7	5	5	.034	0	-----	-----
Hartford.....	164,700	5	4	13	.079	3	.018	4
New Haven.....	162,700	6	5	2	.012	1	.006	2
Waterbury.....	100,100	7	2	3	.030	3	.030	1
Delaware:								
Wilmington.....	106,597	6	3	-----	-----	8	.075	-----
District of Columbia:								
Washington.....	488,100	7	6	24	.049	10	.020	2
Florida:								
Miami.....	112,600	5	2	-----	-----	2	.018	-----
Georgia:								
Atlanta.....	272,100	5	7	75	.276	41	.151	2
Illinois:								
Chicago.....	3,392,900	7	55	263	.078	134	.039	2
Peoria.....	105,700	3	2	5	.047	4	.038	1
Indiana:								
Evansville.....	102,700	3	1	9	.088	1	.039	2
Gary.....	101,500	6	0	25	.246	17	.167	1
Indianapolis.....	365,400	7	5	167	.457	120	.328	1
South Bend.....	105,000	6	0	13	.124	3	.029	4
Iowa:								
Des Moines.....	143,000	5	2	7	.049	6	.042	1
Kansas:								
Kansas City.....	122,400	6	22	21	.172	8	.065	3
Kentucky:								
Louisville.....	309,500	4	5	23	.074	13	.042	2
Louisiana:								
New Orleans.....	460,500	6	22	57	.124	44	.096	1
Maryland:								
Baltimore.....	806,600	7	17	36	.045	20	.025	2
Massachusetts:								
Boston.....	782,000	7	35	63	.081	31	.040	2
Cambridge.....	113,700	7	4	8	.070	2	.018	4
Fall River.....	115,274	6	4	5	.043	2	.017	2
Lynn.....	102,400	7	4	2	.020	2	.020	1
New Bedford.....	112,597	5	0	-----	-----	1	.009	-----
Springfield.....	150,400	6	4	1	.007	0	-----	-----
Michigan:								
Detroit.....	1,582,700	6	198	564	.356	238	.150	2
Flint.....	158,100	6	16	24	.152	18	.114	1
Grand Rapids.....	169,300	6	1	-----	-----	4	.024	-----
Minnesota:								
Duluth.....	101,500	6	11	-----	-----	3	.030	-----
Minneapolis.....	466,400	6	22	35	.075	10	.021	3
St. Paul.....	272,500	7	4	9	.033	6	.022	1
Missouri:								
Kansas City.....	401,600	6	54	77	.192	68	.169	1
St. Louis.....	823,200	7	33	180	.219	89	.108	2
Nebraska:								
Omaha.....	214,600	6	3	31	.144	7	.033	4
New Jersey:								
Camden.....	118,800	6	1	3	.025	3	.025	1
Elizabeth.....	115,000	1	2	-----	-----	15	.130	-----
Jersey City.....	317,200	7	12	24	.076	11	.035	2
Newark.....	443,000	7	20	52	.117	16	.036	3
Paterson.....	138,600	4	6	3	.022	-----	-----	-----
Trenton.....	123,500	7	0	-----	-----	1	.008	-----

¹ Includes 2 nonresidents.² Population, Apr. 1, 1930.

MENINGOCOCCUS MENINGITIS—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New York:								
Buffalo.....	574,700	7	12	38	0.066	19	0.033	2
New York.....	6,962,400	7	170	503	.072	267	.038	2
Rochester.....	328,900	5	1	8	.024	2	.006	4
Syracuse.....	210,200	6	5	10	.048	4	.019	2
Utica.....	101,900	7	1	5	.049	1	.010	5
Yonkers.....	135,500	7	2	7	.052	2	.015	3
Ohio:								
Akron.....	256,200	5	3	6	.023	0		
Canton.....	105,300	7	0	7	.066	4	.038	2
Cincinnati.....	452,400	5	12	39	.086	26	.057	1
Cleveland.....	903,000	7	23	104	.115	40	.044	3
Columbus.....	291,900	5	6	11	.038	7	.024	2
Dayton.....	202,200	5	7	7	.035	4	.020	2
Toledo.....	291,900	6	16	13	.045	8	.027	2
Youngstown.....	170,900	5	4	10	.059	5	.029	2
Oregon:								
Portland.....	302,900	5	17	7	.023	6	.020	1
Pennsylvania:								
Philadelphia.....	1,954,100	7	25	127	.065	64	.033	2
Pittsburgh.....	671,800	6	42	143	.213	59	.088	2
Reading.....	111,300	7	0			3	.027	
Rhode Island:								
Providence.....	253,400	7	7	8	.032	4	.016	2
Tennessee:								
Knoxville.....	106,500	4	2	29	.272	21	.197	1
Memphis.....	255,400	7	7	287	1.124	147	.576	2
Nashville.....	154,700	7	5	26	.168	19	.123	1
Texas:								
Dallas.....	262,900	5	3	10	.038	7	.027	1
El Paso.....	103,000	5	1	17	.165	11	.107	2
Fort Worth.....	164,800	4	1			6	.036	
Houston.....	296,100	6	4	3	.010	2	.007	1
San Antonio.....	233,300	3	4	7	.030	5	.021	1
Utah:								
Salt Lake City.....	140,800	5	12	136	.966	59	.419	2
Virginia:								
Norfolk.....	130,000	6	3	10	.077	6	.046	2
Richmond.....	183,200	6	6	28	.153	13	.071	2
Washington:								
Seattle.....	366,800	5	35	54	.147	20	.055	3
Spokane.....	115,800	7	27	8	.069	7	.060	1
Tacoma.....	107,100	5	7	6	.056	3	.028	2
Wisconsin:								
Milwaukee.....	581,200	4	102	31	.053	23	.040	1
Total:								
71 cities.....	33,639,474		1,281	3,715	.110	1,910	.057	2
72 cities.....	33,778,074		1,287	3,718	.110			
80 cities.....	34,756,668					1,953	.056	

⁴ Includes nonresidents.

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MUMPS

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	81	90	0.344	1	0.004	90
California:								
Long Beach.....	144,400	7	169	573	3.975	0	-----	-----
Los Angeles.....	1,254,200	7	499	1,660	1.324	0	-----	-----
Oakland.....	285,700	7	525	1,479	5.176	0	-----	-----
San Diego.....	149,800	7	328	1,665	11.115	0	-----	-----
San Francisco.....	637,500	7	786	1,903	2.985	0	-----	-----
Colorado:								
Denver.....	288,600	7	410	540	1.871	0	-----	-----
Connecticut:								
Bridgeport.....	146,800	7	33	19	.129	0	-----	-----
Hartford.....	164,700	7	142	32	.194	0	-----	-----
New Haven.....	162,700	7	72	302	1.857	0	-----	-----
Waterbury.....	100,100	7	16	24	.240	0	-----	-----
Delaware:								
Wilmington.....	106,597	6	33	11	.103	0	-----	-----
Florida:								
Jacksonville.....	130,500	4	193	1,977	15.152	0	-----	-----
Miami.....	112,600	6	84	71	.630	0	-----	-----
Tampa.....	102,400	7	31	244	2.384	0	-----	-----
Georgia:								
Atlanta.....	272,100	7	100	377	1.386	1	.004	377
Illinois:								
Chicago.....	3,392,900	7	1,182	2,381	.702	0	-----	-----
Peoria.....	105,700	6	162	326	3.085	0	-----	-----
Indiana:								
Indianapolis.....	365,400	5	188	189	.517	0	-----	-----
Kansas:								
Kansas City.....	122,400	7	210	19	.155	0	-----	-----
Kentucky:								
Louisville.....	309,500	4	90	16	.052	0	-----	-----
Louisiana:								
New Orleans.....	460,500	-----	-----	-----	-----	1	.002	-----
Maryland:								
Baltimore.....	806,600	7	1,300	369	.457	0	-----	-----
Massachusetts:								
Boston.....	782,000	7	1,448	1,710	2.187	0	-----	-----
Cambridge.....	113,700	7	365	408	3.587	0	-----	-----
Fall River.....	115,274	7	23	89	.772	0	-----	-----
Lynn.....	102,400	7	69	41	.400	0	-----	-----
New Bedford.....	112,597	7	58	7	.062	0	-----	-----
Somerville.....	104,200	7	68	54	.518	0	-----	-----
Springfield.....	150,400	7	204	167	1.110	0	-----	-----
Worcester.....	195,700	7	259	27	.138	0	-----	-----
Michigan:								
Detroit.....	1,582,700	7	1,249	1,732	1.094	2	.001	866
Flint.....	158,100	7	138	75	.474	0	-----	-----
Grand Rapids.....	169,300	7	49	33	.195	0	-----	-----
Minnesota:								
Duluth.....	101,500	7	21	12	.118	0	-----	-----
Minneapolis.....	466,400	5	172	1,285	2.755	1	.002	1,285
St. Paul.....	272,500	7	671	313	1.149	0	-----	-----
Missouri:								
Kansas City.....	401,600	7	483	92	.229	0	-----	-----
St. Louis.....	823,200	7	331	570	.692	0	-----	-----
Nebraska:								
Omaha.....	214,600	6	110	51	.238	0	-----	-----
New Jersey:								
Camden.....	118,800	7	37	73	.615	0	-----	-----
Elizabeth.....	115,000	7	294	69	.600	0	-----	-----
Newark.....	443,000	7	777	554	1.251	0	-----	-----
Paterson.....	138,600	6	70	78	.563	0	-----	-----
Trenton.....	123,500	7	20	7	.057	0	-----	-----
New York:								
Albany.....	127,800	7	111	839	6.567	0	-----	-----
Buffalo.....	574,700	7	210	502	.874	1	.002	502
New York.....	6,962,400	7	3,817	4,502	.647	3	.000	1,501
Rochester.....	328,900	7	441	82	.249	0	-----	-----
Syracuse.....	210,200	7	233	1,644	7.820	0	-----	-----
Utica.....	101,900	7	86	12	.118	0	-----	-----
Yonkers.....	135,500	7	98	624	4.606	0	-----	-----

¹ Population, Apr. 1, 1930.

MUMPS—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Ohio:								
Akron.....	256,200	7	155	79	0.308	0	.....	.....
Canton.....	105,300	7	122	49	.465	0	.....	.....
Cincinnati.....	452,400	7	154	265	.586	0	.....	.....
Cleveland.....	903,000	7	626	1,478	1.637	0	.....	.....
Columbus.....	291,900	7	49	146	.500	0	.....	.....
Dayton.....	202,200	6	12	13	.064	0	.....	.....
Toledo.....	291,900	6	169	506	1.734	0	.....	.....
Youngstown.....	170,900	7	15	41	.240	1	0.006	41
Oklahoma:								
Tulsa.....	142,900	3	66	18	.126	0	.....	.....
Oregon:								
Portland.....	302,900	7	129	423	1.397	3	.010	141
Pennsylvania:								
Erie.....	116,500	7	128	648	5.561	0	.....	.....
Philadelphia.....	1,954,100	7	917	2,231	1.142	1	.001	2,231
Pittsburgh.....	671,800	7	442	1,404	1.601	1	.001	1,404
Reading.....	111,300	7	47	311	2.795	0	.....	.....
Scranton.....	143,600	6	109	20	.139	.....	.....	.....
Rhode Island:								
Providence.....	253,400	7	40	13	.051	0	.....	.....
Tennessee:								
Knoxville.....	106,500	6	24	4	.038	0	.....	.....
Memphis.....	255,400	7	124	388	1.519	1	.004	388
Nashville.....	154,700	7	16	13	.084	0	.....	.....
Texas:								
Dallas.....	262,900	7	46	87	.331	0	.....	.....
El Paso.....	103,000	7	206	550	5.338	0	.....	.....
Fort Worth.....	164,800	7	20	14	.085	0	.....	.....
Houston.....	296,100	7	8	26	.088	0	.....	.....
Utah:								
Salt Lake City.....	140,800	7	464	244	1.733	0	.....	.....
Virginia:								
Norfolk.....	130,000	7	115	743	5.713	0	.....	.....
Richmond.....	183,200	7	57	63	.344	0	.....	.....
Washington:								
Seattle.....	366,800	7	857	2,143	5.842	0	.....	.....
Spokane.....	115,800	7	50	101	.872	1	.009	101
Tacoma.....	107,100	7	120	25	.234	0	.....	.....
Wisconsin:								
Milwaukee.....	581,200	6	797	2,439	4.196	2	.003	1,219
Total:								
80 cities.....	33,863,968	.....	24,621	43,384	1.281	19	.001	2,283
81 cities.....	34,324,468	.....	.....	.....	.....	20	.001	.....

* Includes nonresidents.

PELLAGRA

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham.....	261,600	.....	.....	23	0.088	.....
California:						
Los Angeles.....	1,254,200	11	0.009	5	.004	2
Oakland.....	285,700	5	.017	5	.017	1
San Diego.....	149,800	3	.020	3	.020	1
San Francisco.....	637,500	18	.028	13	.020	1
Colorado:						
Denver.....	288,600	.....	.....	2	.007	.....
Connecticut:						
Hartford.....	164,700	1	.006	1	.006	1
District of Columbia:						
Washington.....	488,100	6	.012	3	.006	2
Florida:						
Jacksonville.....	130,500	.....	.....	27	.207	.....
Miami.....	112,600	19	.169	9	.080	2
Tampa.....	102,400	.....	.....	11	.107	.....

PELLAGRA—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Georgia:						
Atlanta.....	272,100	40	0.147	36	0.132	1
Illinois:						
Chicago.....	3,392,900			7	.002	
Kentucky:						
Louisville.....	309,500	4	.013	3	.010	1
Louisiana:						
New Orleans.....	460,500	104	.226	45	.098	2
Maryland:						
Baltimore.....	806,600			11	.014	
Massachusetts:						
Boston.....	782,000	8	.010	2	.003	4
Worcester.....	195,700	1	.005	1	.005	1
Michigan:						
Detroit.....	1,582,700	5	.003	4	.003	1
Flint.....	158,100	2	.013	2	.013	1
Missouri:						
Kansas City.....	401,600			2	.005	
St. Louis.....	823,200			5	.006	
New York:						
New York.....	6,962,400			8	.001	
Ohio:						
Canton.....	105,300			1	.009	
Cleveland.....	903,000			13	.014	
Columbus.....	291,900	1	.003	1	.003	1
Toledo.....	291,900	1	.003	1	.003	1
Pennsylvania:						
Philadelphia.....	1,954,100	14	.007	5	.003	3
Pittsburgh.....	671,800	1	.001	1	.001	1
Rhode Island:						
Providence.....	253,400			1	.004	
Tennessee:						
Knoxville.....	106,500	28	.263	23	.216	1
Memphis.....	255,400	20	.078	20	.078	1
Nashville.....	154,700	8	.052	8	.052	1
Texas:						
Dallas.....	262,900	59	.224	54	.205	1
El Paso.....	103,000			1	.010	
Fort Worth.....	164,800			38	.231	
Houston.....	296,100			44	.149	
San Antonio.....	233,300			42	.180	
Utah:						
Salt Lake City.....	140,800			1	.007	
Virginia:						
Norfolk.....	130,000			7	.054	
Richmond.....	183,200			7	.038	
Total:						
22 cities.....	10,842,400	359	.033	245	.023	1
41 cities.....	26,525,100			496	.019	

PNEUMONIA (ALL FORMS)

Alabama:						
Birmingham.....	261,600			320	1.223	
California:						
Long Beach.....	144,100			74	.513	
Los Angeles.....	1,254,200	2,539	2.024	875	.698	3
Oakland.....	285,700			199	.696	
San Diego.....	149,800	212	1.415	142	.948	1
San Francisco.....	637,500	¹ 293	¹ 1.460	399	.626	
Colorado:						
Denver.....	288,600			498	1.725	
Connecticut:						
Bridgeport.....	146,800	404	2.752	162	1.104	2
Hartford.....	164,700	403	2.447	141	.856	3
New Haven.....	162,700	203	1.248	163	1.002	1
Waterbury.....	100,100	169	1.688	99	.989	2

¹ Lobar pneumonia only.

PNEUMONIA (ALL FORMS)—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Delaware:						
Wilmington.....	¹ 106,597			154	1.445	-----
District of Columbia:						
Washington.....	488,100	1,305	2.674	596	1.221	2
Florida:						
Jacksonville.....	130,500			112	.858	-----
Miami.....	112,600	115	1.021	57	.506	2
Tampa.....	102,400			54	.527	-----
Georgia:						
Atlanta.....	272,100	586	2.154	375	1.378	2
Illinois:						
Chicago.....	3,392,900	6,573	1.937	2,536	.747	3
Peoria.....	105,700			119	1.126	-----
Indiana:						
Evansville.....	102,700			146	1.422	-----
Fort Wayne.....	115,600			88	.761	-----
Indianapolis.....	365,400			515	1.409	-----
South Bend.....	105,000			82	.781	-----
Iowa:						
Des Moines.....	143,000			124	.867	-----
Kansas:						
Kansas City.....	122,400	186	1.520	152	1.242	1
Kentucky:						
Louisville.....	309,500			276	.892	-----
Louisiana:						
New Orleans.....	460,500	887	1.926	683	1.483	1
Maryland:						
Baltimore.....	806,600	1,260	1.562	1,236	1.532	1
Massachusetts: ²						
Boston.....	782,000	1,498	1.916	1,200	1.535	-----
Cambridge.....	113,700	184	1.618	147	1.292	-----
Fall River.....	² 115,274	103	.894	94	.815	-----
Lynn.....	102,400	94	.918	100	.977	-----
New Bedford.....	³ 112,597	75	.666	104	.924	-----
Somerville.....	104,200	125	1.200	104	.998	-----
Springfield.....	150,400	194	1.290	160	1.064	-----
Worcester.....	195,700	223	1.140	75	.383	-----
Michigan:						
Detroit.....	1,582,700	4,061	2.566	1,312	.829	3
Flint.....	158,100	142	.898	139	.879	1
Grand Rapids.....	169,300			106	.626	-----
Minnesota:						
Duluth.....	101,500			89	.877	-----
Minneapolis.....	466,400			396	.849	-----
St. Paul.....	272,500			273	1.002	-----
Missouri:						
Kansas City.....	401,600			477	1.188	-----
St. Louis.....	823,200	¹ 363	1.441	763	.927	-----
Nebraska:						
Omaha.....	214,600			288	1.342	-----
New Jersey:						
Camden.....	118,800	205	1.726	140	1.179	1
Elizabeth.....	115,000			121	1.052	-----
Jersey City.....	317,200			432	1.362	-----
Newark.....	443,000	1,816	4.099	451	1.018	4
Paterson.....	138,600			130	.938	-----
Trenton.....	123,500			176	1.426	-----
New York:						
Albany.....	127,800	487	3.812	176	1.378	3
Buffalo.....	574,700	892	1.552	658	1.145	1
New York.....	6,962,400	17,081	2.453	8,058	1.157	2
Rochester.....	328,900	780	2.371	179	.544	4
Syracuse.....	210,200	845	4.019	190	.904	4
Utica.....	101,900	368	3.610	149	1.462	2
Yonkers.....	135,500	213	1.572	125	.923	2
Ohio:						
Akron.....	256,200			160	.625	-----
Canton.....	105,300			115	1.092	-----
Cincinnati.....	452,400			478	1.057	-----
Cleveland.....	903,000	1,620	1.794	798	.884	2
Columbus.....	291,900	269	.922	248	.850	1
Dayton.....	202,200			137	.678	-----
Toledo.....	291,900	262	.898	245	.839	1
Youngstown.....	170,900			164	.960	-----

¹ Lobar pneumonia only.² Population, Apr. 1, 1930.³ Cases of pneumonia reported by cities in Massachusetts are lobar pneumonia only; deaths are for all forms.

PNEUMONIA (ALL FORMS)—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Oregon:						
Portland.....	302,900	439	1.449	297	0.981	1
Pennsylvania:						
Erie.....	116,500	133	1.141	103	.884	1
Philadelphia.....	1,954,100	3,552	1.818	2,246	1.149	2
Pittsburgh.....	671,800	2,911	4.333	1,362	2.027	2
Reading.....	111,300			107	.962	
Scranton.....	143,600	55	.383			
Rhode Island:						
Providence.....	253,400			175	.691	
Tennessee:						
Knoxville.....	106,500			176	1.653	
Memphis.....	255,400			311	1.218	
Nashville.....	154,700			224	1.448	
Texas:						
Dallas.....	262,900	280	1.065	277	1.053	1
El Paso.....	103,000			151	1.466	
Fort Worth.....	164,800			177	1.074	
Houston.....	296,100			298	1.006	
San Antonio.....	233,300			312	1.338	
Utah:						
Salt Lake City.....	140,800			170	1.207	
Virginia:						
Norfolk.....	130,000			177	1.361	
Richmond.....	183,200			207	1.130	
Washington:						
Seattle.....	366,800			245	.668	
Spokane.....	115,800			112	.967	
Tacoma.....	107,100			102	.953	
Wisconsin:						
Milwaukee.....	581,200	736	1.266	404	.695	2
Total:						
43 cities.....	26,890,671	55,086	2.049	27,920	1.038	2
44 cities.....	27,034,271	55,141	2.040			
87 cities.....	35,686,468			37,167	1.041	

* Includes nonresidents.

POLIOMYELITIS (INFANTILE PARALYSIS)

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	6	13	0.050	3	0.911	4
California:								
Long Beach.....	144,100	7	8	59	.409	0		
Los Angeles.....	1,254,200	7	45	449	.358	39	.031	12
Oakland.....	285,700	7	19	20	.070	2	.007	10
San Diego.....	149,800	7	10	25	.167	2	.013	12
San Francisco.....	637,500	7	10	230	.361	27	.042	9
Colorado:								
Denver.....	288,600	6	8	14	.049	6	.021	2
Connecticut:								
Bridgeport.....	146,800	7	4	3	.020	1	.007	3
Hartford.....	164,700	7	7	6	.036	0		
Waterbury.....	100,100	7	1	2	.020	0		
District of Columbia:								
Washington.....	488,100	7	19	11	.023	4	.008	3
Florida:								
Jacksonville.....	130,500	4	2	2	.015	1	.008	2
Tampa.....	102,400	5	1	2	.020	1	.010	2

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Georgia:								
Atlanta.....	272,100	6	3			2	0.007	
Illinois:								
Chicago.....	3,392,900	7	66	191	0.056	25	.007	8
Peoria.....	105,700	6	2	2	.019	1	.009	2
Indiana:								
Evansville.....	102,700	4	2	9	.088	3	.029	3
Fort Wayne.....	115,600	6	4	3	.026	1	.009	3
Indianapolis.....	365,400	7	4	23	.063	5	.014	5
South Bend.....	105,000	6	2	3	.029	1	.010	3
Iowa:								
Des Moines.....	143,000	5	4	23	.161	4	.028	6
Kansas:								
Kansas City.....	122,400	7	1	29	.237	5	.041	6
Kentucky:								
Louisville.....	309,500	5	2	4	.013	1	.003	4
Louisiana:								
New Orleans.....	460,500	7	6	11	.024	4	.009	3
Maryland:								
Baltimore.....	806,600	7	28	21	.026	4	.005	5
Massachusetts:								
Boston.....	782,000	7	50	261	.334	21	.027	12
Cambridge.....	113,700	7	7	15	.132	0		
Fall River.....	115,274	7	6	1	.009	1	.009	1
Lynn.....	102,400	7	4	17	.166	0		
Somerville.....	104,200	7	4	19	.182	0		
Springfield.....	150,400	7	6	2	.013	0		
Worcester.....	195,700	7	10	17	.087	0		
Michigan:								
Detroit.....	1,582,700	7	47	70	.044	16	.010	4
Flint.....	158,100	7	3	2	.013	0		
Grand Rapids.....	169,300	7	4	18	.106	3	.018	6
Minnesota:								
Duluth.....	101,500	7	1	3	.030	0		
Minneapolis.....	466,400	7	10	46	.099	2	.004	23
St. Paul.....	272,500	7	8	9	.033	1	.004	9
Missouri:								
Kansas City.....	401,600	6	22	47	.117	6	.015	8
St. Louis.....	823,200	7	9	12	.015	1	.001	12
Nebraska:								
Omaha.....	214,600	5	21	10	.047	2	.009	5
New Jersey:								
Jersey City.....	317,200	7	6			2	.006	
Newark.....	443,000	7	18	4	.009	1	.002	4
Trenton.....	123,500	7	4	2	.016	1	.008	2
New York:								
Albany.....	127,800	7	5	2	.016	1	.008	2
Buffalo.....	574,700	7	34	75	.131	8	.014	9
New York.....	6,962,400	7	344	78	.011	13	.002	6
Rochester.....	328,600	6	16	68	.207	15	.046	5
Syracuse.....	210,200	7	24	150	.713	15	.071	10
Utica.....	101,900	7	5	5	.049	1	.010	5
Yonkers.....	135,500	7	6	7	.052	3	.022	2
Ohio:								
Akron.....	256,200	7	8	33	.129	5	.020	7
Canton.....	105,300	7	2	5	.047	2	.019	2
Cincinnati.....	452,400	7	8	70	.155	8	.018	9
Cleveland.....	903,000	7	31	175	.194	11	.012	16
Columbus.....	291,900	6	10	44	.151	6	.021	7
Dayton.....	202,200	7	4	31	.153	3	.015	10
Toledo.....	291,900	7	6	13	.045	2	.007	6
Youngstown.....	170,900	7	3	4	.023	1	.006	4
Oregon:								
Portland.....	302,900	6	23	5	.017	1	.003	5
Pennsylvania:								
Erie.....	116,500	7	3	3	.026	0		
Philadelphia.....	1,954,100	7	18	63	.032	5	.003	13
Pittsburgh.....	671,800	6	23	16	.024	18	.012	2
Scranton.....	143,600	6	1	2	.014			
Rhode Island:								
Providence.....	253,400	7	10	9	.036	0		

¹ Population, Apr. 1, 1930.

² Includes 1 nonresident.

³ Includes nonresidents.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Tennessee:								
Knoxville.....	106,500	5	6	7	0.066	3	0.028	2
Memphis.....	255,400	7	3	8	.031	1	.004	8
Nashville.....	154,700	6	6	7	.045	2	.013	3
Texas:								
Dallas.....	262,900	7	8	10	.038	2	.008	5
Fort Worth.....	164,800	6	11	13	.079	2	.012	6
Houston.....	296,100	6	7	19	.064	2	.007	9
San Antonio.....	233,300	5	3	7	.030	1	.004	7
Utah:								
Salt Lake City.....	140,800	6	6	4	.028	1	.007	4
Virginia:								
Norfolk.....	130,000	7	2	30	.231	1	.008	30
Richmond.....	183,200	7	5	4	.022	0	.....	.....
Washington:								
Seattle.....	366,800	7	23	8	.022	1	.003	8
Spokane.....	115,800	7	5	5	.043	1	.009	5
Wisconsin:								
Milwaukee.....	581,200	7	4	62	.107	9	.015	7
Total:								
75 cities.....	33,908,874	.....	1,170	2,750	.081	329	.010	8
76 cities.....	34,052,474	.....	1,171	2,752	.081	.....	.....	.....
77 cities.....	34,498,174	.....	.....	.....	.....	333	.010	.....

RABIES IN ANIMALS

City	Cases reported, 1930	City	Cases reported, 1930
Alabama:		New Jersey:	
Birmingham.....	46	Elizabeth.....	3
California:		Jersey City.....	28
Long Beach.....	32	Newark.....	4
Los Angeles.....	238	Paterson.....	15
San Diego.....	48	New York:	
District of Columbia:		New York.....	101
Washington.....	51	Yonkers.....	1
Florida:		Ohio:	
Jacksonville.....	1	Cleveland.....	146
Tampa.....	1	Columbus.....	3
Illinois:		Dayton.....	61
Chicago.....	69	Toledo.....	17
Indiana:		Pennsylvania:	
Gary.....	4	Philadelphia.....	1
South Bend.....	6	Tennessee:	
Kentucky:		Knoxville.....	28
Louisville.....	23	Memphis.....	88
Maryland:		Nashville.....	7
Baltimore.....	17	Texas:	
Massachusetts:		Dallas.....	19
Boston.....	20	Houston.....	174
Lynn.....	1	San Antonio.....	105
Springfield.....	53	Virginia:	
Michigan:		Richmond.....	6
Detroit.....	64	Wisconsin:	
Grand Rapids.....	3	Milwaukee.....	1
Missouri:			
Kansas City.....	5		
St. Louis.....	43		

¹ Positive laboratory reports.

RABIES IN MAN

City	Deaths registered, 1930	City	Deaths, registered, 1930
Alabama:		Ohio:	
Birmingham.....	1	Cleveland.....	1
Georgia:		Pennsylvania:	
Atlanta.....	2	Philadelphia.....	2
Maryland:		Pittsburgh.....	12
Baltimore.....	1	Tennessee:	
New Jersey:		Knoxville.....	1
Paterson.....	1		
New York:			
New York.....	1		

¹ Includes nonresidents.

ROCKY MOUNTAIN SPOTTED (OR TICK) FEVER

City	Cases reported, 1930	Deaths registered, 1930
Georgia:		
Atlanta.....	3	1
Washington:		
Spokane.....	2	2

SCARLET FEVER

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	182	276	1.055	2	0.008	138
California:								
Long Beach.....	144,100	7	202	120	.833	2	.014	60
Los Angeles.....	1,254,200	7	1,504	1,412	1.126	18	.014	78
Oakland.....	285,700	7	397	279	.976	2	.007	139
San Diego.....	149,800	7	288	97	.648	1	.007	97
San Francisco.....	637,500	7	897	747	1.172	5	.008	149
Colorado:								
Denver.....	288,600	7	518	553	1.916	2	.007	276
Connecticut:								
Bridgeport.....	146,800	7	421	403	2.745	5	.034	81
Hartford.....	164,700	7	240	246	1.494	1	.006	246
New Haven.....	162,700	7	288	264	1.623	2	.012	132
Waterbury.....	100,100	7	151	85	.849	0	-----	-----
Delaware:								
Wilmington.....	¹ 106,597	7	234	190	1.782	2	.019	95
District of Columbia:								
Washington.....	488,100	7	998	719	1.473	9	.018	80
Florida:								
Jacksonville.....	130,500	4	49	50	.383	0	-----	-----
Miami.....	112,600	6	35	73	.648	0	-----	-----
Tampa.....	102,400	6	48	60	.586	0	-----	-----
Georgia:								
Atlanta.....	272,100	7	271	536	1.970	10	.037	54
Illinois:								
Chicago.....	3,392,900	7	4,948	9,599	2.829	199	.059	48
Peoria.....	105,700	6	202	243	2.300	5	.047	49
Indiana:								
Evansville.....	102,700	3	89	58	.565	0	-----	-----
Fort Wayne.....	115,600	7	195	113	.977	0	-----	-----
Gary.....	101,500	6	147	292	2.876	3	.030	97
Indianapolis.....	365,400	7	624	898	2.458	5	.014	180
South Bend.....	105,000	6	220	327	3.114	4	.038	82
Iowa:								
Des Moines.....	143,000	7	392	415	2.903	1	.007	415

¹ Population, Apr. 1, 1930.

SCARLET FEVER—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Kansas:								
Kansas City.....	122,400	7	174	226	1.847	6	0.049	38
Kentucky:								
Louisville.....	309,500	5	390	793	2.562	5	.016	159
Louisiana:								
New Orleans.....	460,500	7	295	503	1.092	6	.013	84
Maryland:								
Baltimore.....	806,600	7	1,122	1,777	2.203	14	.017	127
Massachusetts:								
Boston.....	782,000	7	3,064	2,632	3.366	39	.050	67
Cambridge.....	113,700	7	330	429	3.772	0	-----	-----
Fall River.....	115,274	7	183	154	1.336	0	-----	-----
Lynn.....	102,400	7	260	115	1.123	1	.010	115
New Bedford.....	112,597	7	136	94	.835	2	.018	47
Somerville.....	104,200	7	319	411	3.945	4	.038	103
Springfield.....	150,400	7	341	257	1.709	0	-----	-----
Worcester.....	195,700	7	440	605	3.092	17	.036	186
Michigan:								
Detroit.....	1,582,700	7	4,162	4,026	2.544	56	.035	72
Flint.....	158,100	7	562	666	4.213	5	.032	133
Grand Rapids.....	169,300	7	487	520	3.071	4	.024	130
Minnesota:								
Duluth.....	101,500	7	409	83	.818	1	.010	83
Minneapolis.....	466,400	7	1,909	575	1.233	2	.004	287
St. Paul.....	272,500	7	1,288	460	1.688	3	.011	153
Missouri:								
Kansas City.....	401,600	7	864	919	2.288	18	.045	51
St. Louis.....	823,200	7	1,390	1,791	2.176	14	.017	128
Nebraska:								
Omaha.....	214,600	6	397	395	1.841	5	.023	79
New Jersey:								
Camden.....	118,800	7	179	160	1.347	3	.025	53
Elizabeth.....	115,000	7	225	203	1.764	0	-----	-----
Jersey City.....	317,200	7	420	400	1.261	3	.009	133
Newark.....	443,000	7	1,004	1,113	2.512	3	.007	371
Paterson.....	138,600	6	254	452	3.262	3	.022	151
Trenton.....	123,500	7	159	445	3.605	8	.065	56
New York:								
Albany.....	127,800	7	331	100	.783	2	.016	50
Buffalo.....	574,700	7	1,072	1,013	1.763	19	.033	53
New York.....	6,962,400	7	8,399	7,592	1.090	57	.008	133
Rochester.....	328,900	7	509	702	2.134	4	.012	175
Syracuse.....	210,200	7	348	772	3.672	5	.024	154
Utica.....	101,900	6	155	183	1.795	0	-----	-----
Yonkers.....	135,500	7	344	173	1.277	2	.015	86
Ohio:								
Akron.....	256,200	7	395	486	1.857	2	.008	243
Canton.....	105,300	7	149	76	.721	1	.009	76
Cincinnati.....	452,400	7	800	946	2.091	26	.057	36
Cleveland.....	903,000	7	1,357	2,276	2.521	29	.032	78
Columbus.....	291,900	7	508	352	1.206	2	.007	176
Dayton.....	202,200	7	281	296	1.464	3	.015	99
Toledo.....	291,900	7	531	522	1.788	4	.014	130
Youngstown.....	170,900	7	350	524	3.066	5	.029	105
Oklahoma:								
Tulsa.....	142,900	4	150	156	1.091	3	.021	52
Oregon:								
Portland.....	302,900	7	255	115	.380	1	.003	115
Pennsylvania:								
Erie.....	116,500	7	470	55	.472	1	.009	55
Philadelphia.....	1,954,100	7	3,335	4,772	2.442	34	.017	140
Pittsburgh.....	671,800	7	1,350	1,437	2.139	14	.021	103
Reading.....	111,300	7	237	120	1.079	1	.009	120
Scranton.....	143,600	6	194	112	.780	-----	-----	-----
Rhode Island:								
Providence.....	253,400	7	605	522	2.060	3	.012	174
Tennessee:								
Knoxville.....	106,500	7	105	84	.789	1	.009	84
Memphis.....	255,400	7	271	482	1.888	3	.012	161
Nashville.....	154,700	7	98	148	.956	2	.013	74
Texas:								
Dallas.....	262,900	7	327	309	1.175	7	.027	44
El Paso.....	103,000	7	111	90	.874	3	.029	30

† Population, Apr. 1, 1930.

‡ Includes 3 nonresidents.

§ Includes nonresidents.

SCARLET FEVER—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Texas—Continued.								
Fort Worth.....	164,800	7	149	139	0.843	1	0.006	139
Houston.....	296,100	7	103	141	.476	0	.....	.....
San Antonio.....	233,300	7	61	69	.296	0	.....	.....
Utah:								
Salt Lake City.....	140,800	7	130	195	1.385	3	.021	65
Virginia:								
Norfolk.....	130,000	7	114	119	.915	0	.....	.....
Richmond.....	183,200	7	238	373	2.036	1	.005	373
Washington:								
Seattle.....	366,800	7	445	646	1.761	0	.....	.....
Spokane.....	115,800	7	403	64	.553	0	.....	.....
Tacoma.....	107,100	7	150	161	1.504	2	.019	80
Wisconsin:								
Milwaukee.....	581,200	7	1,320	891	1.533	8	.014	111
Total:								
89 cities.....	35,930,868	.....	60,259	65,360	1.819	739	.021	88
90 cities.....	36,074,468	.....	60,453	65,472	1.815	.....	.....	.....

SEPTIC SORE THROAT

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham.....	261,600	.....	.....	3	0.011	.....
California:						
Los Angeles.....	1,254,200	.....	.....	7	.006	.....
Oakland.....	285,700	1	0.003	1	.003	1
San Diego.....	149,800	3	.020	3	.020	1
Colorado:						
Denver.....	288,600	.....	.....	7	.024	.....
Connecticut:						
Bridgeport.....	146,800	2	.014	0	.....	.....
Waterbury.....	100,100	1	.010	0	.....	.....
District of Columbia:						
Washington.....	488,100	.....	.....	3	.006	.....
Florida:						
Jacksonville.....	130,500	.....	.....	3	.023	.....
Miami.....	112,600	29	.258	5	.044	6
Tampa.....	102,400	.....	.....	2	.020	.....
Georgia:						
Atlanta.....	272,100	112	.412	8	.029	14
Illinois:						
Chicago.....	3,392,900	87	.026	43	.013	2
Indiana:						
South Bend.....	105,000	.....	.....	9	.086	.....
Iowa:						
Des Moines.....	143,000	.....	.....	2	.014	.....
Kentucky:						
Louisville.....	309,500	3	.010	0	.....	.....
Louisiana:						
New Orleans.....	460,500	9	.020	0	.....	.....
Maryland:						
Baltimore.....	806,600	48	.060	6	.007	8
Massachusetts:						
Boston.....	782,000	85	.109	23	.029	4
Cambridge.....	113,700	8	.070	3	.026	3
Fall River.....	115,274	3	.026	0	.....	.....
New Bedford.....	112,597	1	.009	0	.....	.....
Somerville.....	104,200	3	.029	0	.....	.....
Springfield.....	150,400	3	.020	0	.....	.....

1 Population, Apr. 1, 1930.

SEPTIC SORE THROAT—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Michigan:						
Detroit.....	1,582,700	34	0.021	0	-----	-----
Minnesota:						
Duluth.....	101,500	-----	-----	6	0.059	-----
Minneapolis.....	466,400	-----	-----	48	.103	-----
Missouri:						
Kansas City.....	401,600	-----	-----	28	.070	-----
St. Louis.....	823,200	-----	-----	6	.007	-----
New Jersey:						
Elizabeth.....	115,000	2	.017	2	.017	1
Jersey City.....	317,200	-----	-----	3	.009	-----
Newark.....	443,000	-----	-----	6	.014	-----
Trenton.....	123,500	-----	-----	4	.032	-----
New York:						
Albany.....	127,800	2	.016	2	.016	1
Buffalo.....	574,700	87	.151	0	-----	-----
New York.....	6,962,400	-----	-----	86	.012	-----
Rochester.....	328,900	-----	-----	10	.030	-----
Yonkers.....	135,500	1	.007	1	.007	1
Ohio:						
Akron.....	256,200	-----	-----	4	.016	-----
Cleveland.....	903,000	631	.699	36	.040	18
Columbus.....	291,900	2	.007	2	.007	1
Oregon:						
Portland.....	302,900	-----	-----	10	.033	-----
Pennsylvania:						
Erie.....	116,500	-----	-----	2	.017	-----
Pittsburgh.....	671,800	-----	-----	31	.046	-----
Rhode Island:						
Providence.....	253,400	-----	-----	2	.008	-----
Tennessee:						
Knoxville.....	106,500	1	.009	0	-----	-----
Memphis.....	255,400	-----	-----	12	.047	-----
Texas:						
Dallas.....	262,900	5	.019	5	.019	1
El Paso.....	103,000	-----	-----	3	.029	-----
San Antonio.....	233,300	-----	-----	13	.056	-----
Utah:						
Salt Lake City.....	140,800	-----	-----	11	.078	-----
Virginia:						
Richmond.....	183,200	-----	-----	12	.066	-----
Washington:						
Seattle.....	366,800	-----	-----	19	.052	-----
Total:						
25 cities.....	11,514,771	1,163	.101	140	.012	8
53 cities.....	27,139,171	-----	-----	492	.018	-----

¹ Includes nonresidents.

SMALLPOX

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	164	1	0.004	0	-----	-----
California:								
Long Beach.....	144,100	5	35	7	.049	0	-----	-----
Los Angeles.....	1,254,200	3	41	173	.138	1	0.001	173
Oakland.....	285,700	7	265	56	.196	0	-----	-----
San Diego.....	149,800	7	10	21	.140	0	-----	-----
San Francisco.....	637,500	7	36	61	.096	0	-----	-----
Colorado:								
Denver.....	288,600	7	10	15	.052	0	-----	-----
Connecticut:								
Bridgeport.....	146,800	7	0	0	-----	0	-----	-----
Hartford.....	164,700	7	0	0	-----	0	-----	-----
New Haven.....	162,700	7	1	0	-----	0	-----	-----
Waterbury.....	100,100	7	0	0	-----	0	-----	-----

SMALLPOX—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Delaware:								
Wilmington.....	1 106,597	7	0	0	-----	0	-----	-----
District of Columbia:								
Washington.....	488,100	7	59	0	-----	0	-----	-----
Florida:								
Jacksonville.....	130,500	4	24	0	-----	0	-----	-----
Miami.....	112,600	5	4	1	0.009	0	-----	-----
Tampa.....	102,400	7	6	0	-----	0	-----	-----
Georgia:								
Atlanta.....	272,100	7	111	2	.007	0	-----	-----
Illinois:								
Chicago.....	3,392,900	7	73	131	.039	0	-----	-----
Peoria.....	105,700	6	36	74	.700	0	-----	-----
Indiana:								
Evansville.....	102,700	4	136	74	.721	1	0.010	74
Fort Wayne.....	115,600	7	89	240	2.075	0	-----	-----
Gary.....	101,500	6	70	8	.079	0	-----	-----
Indianapolis.....	365,400	7	545	153	.419	0	-----	-----
South Bend.....	105,000	6	41	9	.086	0	-----	-----
Iowa:								
Des Moines.....	143,000	7	72	492	3.442	0	-----	-----
Kansas:								
Kansas City.....	122,400	7	13	174	1.422	0	-----	-----
Kentucky:								
Louisville.....	309,500	5	15	54	.174	0	-----	-----
Louisiana:								
New Orleans.....	460,500	7	11	8	.017	0	-----	-----
Maryland:								
Baltimore.....	806,600	7	4	0	-----	0	-----	-----
Massachusetts:								
Boston.....	782,000	7	0	0	-----	0	-----	-----
Cambridge.....	113,700	7	0	0	-----	0	-----	-----
Fall River.....	1 115,274	7	0	0	-----	0	-----	-----
Lynn.....	102,400	7	0	0	-----	0	-----	-----
New Bedford.....	1 112,597	7	0	0	-----	0	-----	-----
Somerville.....	104,200	7	0	0	-----	0	-----	-----
Springfield.....	150,400	7	0	0	-----	0	-----	-----
Worcester.....	195,700	7	0	0	-----	0	-----	-----
Michigan:								
Detroit.....	1,582,700	7	66	151	.095	0	-----	-----
Flint.....	158,100	7	74	93	.588	0	-----	-----
Grand Rapids.....	169,300	7	30	16	.094	1	.006	16
Minnesota:								
Duluth.....	101,500	7	2	38	.374	0	-----	-----
Minneapolis.....	466,400	7	18	8	.017	0	-----	-----
St. Paul.....	272,500	7	36	2	.007	0	-----	-----
Missouri:								
Kansas City.....	401,600	7	22	30	.075	0	-----	-----
St. Louis.....	823,200	7	67	160	.194	0	-----	-----
Nebraska:								
Omaha.....	214,600	6	205	481	2.242	1	.005	481
New Jersey:								
Camden.....	118,800	7	0	0	-----	0	-----	-----
Elizabeth.....	115,000	7	0	0	-----	0	-----	-----
Jersey City.....	317,200	7	0	0	-----	0	-----	-----
Newark.....	443,000	7	1	0	-----	0	-----	-----
Paterson.....	138,600	6	0	0	-----	0	-----	-----
Trenton.....	123,500	7	3	0	-----	0	-----	-----
New York:								
Albany.....	127,800	7	0	0	-----	0	-----	-----
Buffalo.....	574,700	7	8	16	.028	0	-----	-----
New York.....	6,962,400	7	7	2	.000	0	-----	-----
Rochester.....	328,900	7	2	1	.003	0	-----	-----
Syracuse.....	210,200	7	3	4	.019	0	-----	-----
Utica.....	101,900	7	0	0	-----	0	-----	-----
Yonkers.....	135,500	7	0	0	-----	0	-----	-----
Ohio:								
Akron.....	256,200	7	18	392	1.530	0	-----	-----
Canton.....	105,300	7	5	83	.788	1	.009	83
Cincinnati.....	452,400	7	51	88	.195	0	-----	-----

1 Population, Apr. 1, 1930.

SMALLPOX—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Ohio—Continued.								
Cleveland.....	903,000	7	25	19	0.021	1	0.001	19
Columbus.....	291,900	7	78	122	.418	0	-----	-----
Dayton.....	202,200	7	29	121	.599	0	-----	-----
Toledo.....	291,900	7	12	193	.661	0	-----	-----
Youngstown.....	170,900	7	10	5	.029	0	-----	-----
Oklahoma:								
Tulsa.....	142,900	4	91	97	.679	0	-----	-----
Oregon:								
Portland.....	302,900	7	375	255	.842	0	-----	-----
Pennsylvania:								
Erie.....	116,500	7	1	9	.077	0	-----	-----
Philadelphia.....	1,954,100	7	2	0	-----	0	-----	-----
Pittsburgh.....	671,800	7	1	0	-----	0	-----	-----
Reading.....	111,300	7	0	0	-----	0	-----	-----
Seranton.....	143,600	6	0	0	-----	-----	-----	-----
Rhode Island:								
Providence.....	253,400	7	0	0	-----	0	-----	-----
Tennessee:								
Knoxville.....	106,500	7	8	13	.122	0	-----	-----
Memphis.....	255,400	7	42	10	.039	0	-----	-----
Nashville.....	154,700	7	10	61	.394	0	-----	-----
Texas:								
Dallas.....	262,900	7	81	38	.145	0	-----	-----
El Paso.....	103,000	7	3	1	.010	0	-----	-----
Fort Worth.....	164,800	7	125	54	.328	0	-----	-----
Houston.....	296,100	7	57	162	.547	0	-----	-----
San Antonio.....	233,300	7	10	51	.219	0	-----	-----
Utah:								
Salt Lake City.....	140,800	7	52	9	.064	0	-----	-----
Virginia:								
Norfolk.....	130,000	7	5	2	.015	0	-----	-----
Richmond.....	183,200	7	6	1	.005	0	-----	-----
Washington:								
Seattle.....	366,800	7	120	117	.319	1	.003	117
Spokane.....	115,800	7	332	627	5.415	3	.026	209
Tacoma.....	107,100	7	272	181	1.691	0	-----	-----
Wisconsin:								
Milwaukee.....	581,200	7	19	12	.021	0	-----	-----
Total:								
89 cities.....	35,930,868	-----	4,255	5,479	.152	10	.000	548
90 cities.....	36,074,468	-----	4,255	5,479	.152	-----	-----	-----

TUBERCULOSIS (ALL FORMS)

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham.....	261,600	635	2.427	258	0.986	2
California:						
Long Beach.....	144,100	88	.611	41	.284	2
Los Angeles.....	1,254,200	3,002	2.394	1,303	1.039	2
Oakland.....	285,700	-----	-----	144	.504	-----
San Diego.....	149,800	245	1.636	167	1.115	1
San Francisco.....	637,500	1,309	2.053	561	.880	2
Colorado:						
Denver.....	288,600	-----	-----	392	1.358	-----
Connecticut:						
Bridgeport.....	146,800	170	1.158	88	.599	2
Hartford.....	164,700	272	1.651	115	.698	2
New Haven.....	162,700	341	2.096	93	.572	4
Waterbury.....	100,100	91	.909	56	.559	2

TUBERCULOSIS (ALL FORMS)—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Delaware:						
Wilmington.....	1 106,597			50	0.469	
District of Columbia:						
Washington.....	488,100	1,031	2.112	570	1.168	2
Florida:						
Jacksonville.....	130,500			176	1.349	
Miami.....	112,600	177	1.572	84	.746	2
Tampa.....	102,400			83	.811	
Georgia:						
Atlanta.....	272,100	465	1.709	258	.948	2
Illinois:						
Chicago.....	3,392,900	6,118	1.803	2,235	.659	3
Peoria.....	105,700	257	2.432	31	.293	8
Indiana:						
Evansville.....	102,700			42	.409	
Fort Wayne.....	115,600			40	.346	
Gary.....	101,500			70	.689	
Indianapolis.....	365,400			281	.769	
South Bend.....	105,000	75	.714	71	.676	1
Iowa:						
Des Moines.....	143,000			57	.399	
Kansas:						
Kansas City.....	122,400	133	1.087	83	.678	2
Kentucky:						
Louisville.....	309,500	539	1.741	314	1.014	2
Louisiana:						
New Orleans.....	460,500			673	1.461	
Maryland:						
Baltimore.....	806,600	1,532	1.899	812	1.007	2
Massachusetts:						
Boston.....	782,000	2,016	2.578	604	.772	3
Cambridge.....	113,700	200	1.758	76	.668	3
Fall River.....	1 115,274	160	1.388	108	.937	1
Lynn.....	102,400	107	1.045	17	.166	6
New Bedford.....	1 112,597	177	1.572	79	.702	2
Somerville.....	104,200	203	1.949	29	.278	7
Springfield.....	150,400	231	1.536	64	.426	4
Worcester.....	195,700	208	1.063	1 110	.562	2
Michigan:						
Detroit.....	1,582,700	3,798	2.400	1,310	.828	3
Flint.....	158,100	247	1.563	74	.468	3
Grand Rapids.....	169,300	141	.833	1 28	.165	6
Minnesota:						
Duluth.....	101,500			66	.650	
Minneapolis.....	466,400	956	2.050	143	.307	7
St. Paul.....	272,500	310	1.138	144	.528	2
Missouri:						
Kansas City.....	401,600	392	.976	359	.894	1
St. Louis.....	823,200	1,435	1.743	574	.697	2
New Jersey:						
Camden.....	118,800	208	1.751	52	.438	4
Elizabeth.....	115,000	150	1.304	79	.687	2
Jersey City.....	317,200	477	1.504	229	.722	2
Newark.....	443,000	1,000	2.257	445	1.004	2
Paterson.....	138,600	172	1.241	60	.433	3
Trenton.....	123,500	298	2.414	168	1.361	2
New York:						
Albany.....	127,800	218	1.706	103	.806	2
Buffalo.....	574,700	792	1.378	437	.760	2
New York.....	6,962,400	12,506	1.796	5,089	.731	2
Rochester.....	328,900	511	1.554	116	.353	4
Syracuse.....	210,200	290	1.379	57	.271	5
Utica.....	101,900	116	1.138	36	.353	3
Yonkers.....	135,500	161	1.188	86	.635	2
Ohio:						
Akron.....	256,200	476	1.858	84	.328	6
Canton.....	105,300	170	1.614	31	.294	5
Cincinnati.....	452,400	792	1.751	455	1.006	2
Cleveland.....	903,000	2,003	2.218	745	.825	3
Columbus.....	291,900	422	1.446	219	.750	2
Dayton.....	202,200	167	.826	112	.554	1
Toledo.....	291,900	356	1.220	244	.836	1
Youngstown.....	170,900			65	.380	
Oregon:						
Portland.....	302,900	286	.944	106	.350	3

1 Population, Apr. 1, 1930.

2 Includes 30 nonresidents.

3 30 deaths of residents with a rate of 0.177 occurred in sanatorium outside of city.

TUBERCULOSIS (ALL FORMS)—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Pennsylvania:						
Erie.....	116,500	245	2.103	54	0.463	5
Philadelphia.....	1,954,100	2,696	1.380	1,590	.814	2
Pittsburgh.....	671,800	—	—	4506	4.753	—
Reading.....	111,300	—	—	65	.584	—
Scranton.....	143,600	66	.460	—	—	—
Rhode Island:						
Providence.....	253,400	—	—	145	.572	—
Tennessee:						
Knoxville.....	106,500	80	.751	75	.704	1
Memphis.....	255,400	833	3.262	356	1.394	2
Nashville.....	154,700	402	2.598	193	1.247	2
Texas:						
Dallas.....	262,900	205	.780	153	.582	1
El Paso.....	103,000	—	—	310	3.009	—
Fort Worth.....	164,800	88	.534	87	.528	1
Houston.....	296,100	709	2.394	230	.777	3
San Antonio.....	233,300	—	—	374	1.603	—
Utah:						
Salt Lake City.....	140,800	—	—	72	.511	—
Virginia:						
Norfolk.....	130,000	—	—	89	.684	—
Richmond.....	183,200	—	—	174	.950	—
Washington:						
Seattle.....	366,800	680	1.854	182	.496	4
Spokane.....	115,800	86	.743	36	.311	2
Tacoma.....	107,100	—	—	30	.280	—
Wisconsin:						
Milwaukee.....	581,200	804	1.383	312	.537	3
Total:						
65 cities.....	31,164,571	55,460	1.780	23,080	.741	2
66 cities.....	31,308,171	55,526	1.774	—	—	—
87 cities.....	35,573,368	—	—	26,984	.759	—

* Includes nonresidents.

TUBERCULOSIS (RESPIRATORY SYSTEM)

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham.....	261,600	603	2.305	216	0.826	3
California:						
Long Beach.....	144,100	86	.597	37	.257	2
Los Angeles.....	1,254,200	—	—	1,118	.891	—
Oakland.....	285,700	314	1.099	114	.399	3
San Diego.....	149,800	—	—	151	1.008	—
San Francisco.....	637,500	1,239	1.944	480	.753	3
Colorado:						
Denver.....	288,600	—	—	368	1.275	—
Connecticut:						
Bridgeport.....	146,800	—	—	80	.545	—
Hartford.....	164,700	257	1.560	105	.637	2
New Haven.....	162,700	233	1.432	81	.498	3
Waterbury.....	100,100	82	.819	53	.529	2
Delaware:						
Wilmington.....	106,597	—	—	36	.338	—
District of Columbia:						
Washington.....	488,100	981	2.010	492	1.008	2
Florida:						
Jacksonville.....	130,500	—	—	156	1.196	—
Miami.....	112,600	170	1.510	77	.684	2
Tampa.....	102,400	—	—	75	.733	—
Georgia:						
Atlanta.....	272,100	—	—	187	.687	—
Illinois:						
Chicago.....	3,392,900	—	—	1,927	.568	—
Peoria.....	105,700	255	2.413	27	.256	9

† Population, Apr. 1, 1930.

TUBERCULOSIS (RESPIRATORY SYSTEM)—Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Indiana:						
Fort Wayne.....	115,600	—	—	32	0.277	—
Indianapolis.....	365,400	237	0.649	225	.616	1
South Bend.....	105,000	74	.705	64	.610	1
Iowa:						
Des Moines.....	143,000	—	—	52	.364	—
Louisiana:						
New Orleans.....	460,500	793	1.722	623	1.353	1
Maryland:						
Baltimore.....	806,600	1,254	1.555	697	.864	2
Massachusetts:						
Boston.....	782,000	1,609	2.058	536	.685	3
Cambridge.....	113,700	158	1.389	70	.615	2
Fall River.....	115,274	117	1.015	90	.781	1
Lynn.....	102,400	88	.859	14	.137	6
New Bedford.....	112,597	158	1.403	76	.675	2
Somerville.....	104,200	120	1.152	23	.221	5
Springfield.....	150,400	138	.918	57	.379	2
Worcester.....	195,700	181	.925	197	1.496	12
Michigan:						
Detroit.....	1,582,700	3,257	2.058	1,081	.683	3
Flint.....	158,100	—	—	63	.399	—
Grand Rapids.....	169,300	—	—	24	.142	—
Minnesota:						
Duluth.....	101,500	—	—	63	.621	—
Minneapolis.....	466,400	612	1.312	118	.253	5
St. Paul.....	272,500	283	1.039	116	.426	2
Missouri:						
Kansas City.....	401,600	—	—	312	.777	—
St. Louis.....	823,200	1,328	1.613	486	.590	3
Nebraska:						
Omaha.....	214,600	—	—	88	.410	—
New Jersey:						
Camden.....	118,800	207	1.743	47	.396	4
Elizabeth.....	115,000	—	—	74	.643	—
Jersey City.....	317,200	—	—	214	.675	—
Newark.....	443,000	907	2.047	378	.853	2
Paterson.....	138,600	—	—	48	.346	—
Trenton.....	123,500	267	2.163	145	1.175	2
New York:						
Albany.....	127,800	—	—	85	.665	—
Buffalo.....	574,700	702	1.222	384	.668	2
New York.....	6,962,400	11,821	1.698	4,457	.640	3
Rochester.....	328,900	—	—	95	.289	—
Syracuse.....	210,200	229	1.089	43	.205	5
Yonkers.....	135,500	152	1.122	80	.590	2
Ohio:						
Akron.....	256,200	—	—	70	.273	—
Canton.....	105,300	158	1.500	21	.199	8
Cincinnati.....	452,400	—	—	371	.820	—
Cleveland.....	903,000	1,698	1.880	664	.735	3
Columbus.....	291,900	—	—	162	.555	—
Dayton.....	202,200	—	—	93	.460	—
Toledo.....	291,900	—	—	213	.730	—
Youngstown.....	170,900	—	—	52	.304	—
Oklahoma:						
Tulsa.....	142,900	3	.021	0	—	—
Oregon:						
Portland.....	302,900	—	—	70	.231	—
Pennsylvania:						
Erie.....	116,500	—	—	40	.343	—
Philadelphia.....	1,954,100	2,613	1.337	1,396	.714	2
Pittsburgh.....	671,800	1,737	1.097	1,405	1.603	2
Reading.....	111,300	102	.917	63	.566	2
Rhode Island:						
Providence.....	253,400	—	—	113	.446	—
Tennessee:						
Knoxville.....	106,500	—	—	58	.545	—
Memphis.....	255,400	787	3.082	307	1.202	3
Nashville.....	154,700	355	2.294	147	.950	2
Texas:						
Dallas.....	262,900	188	.715	136	.517	1
El Paso.....	103,000	—	—	272	2.640	—
Fort Worth.....	164,800	—	—	80	.485	—
Houston.....	296,100	—	—	211	.713	—
San Antonio.....	233,300	—	—	344	1.475	—

¹ Population, Apr. 1, 1930.² Includes 20 nonresidents.³ Includes nonresidents.

TUBERCULOSIS (RESPIRATORY SYSTEM) —Continued

City	Estimated population, July 1, 1930	Cases reported, 1930	Cases per 1,000 inhabitants	Deaths registered, 1930	Deaths per 1,000 inhabitants	Cases reported for each death registered
Utah:						
Salt Lake City.....	140,800	62	0.440	59	0.419	1
Virginia:						
Richmond.....	183,200	380	2.074	143	.781	3
Washington:						
Seattle.....	366,800	524	1.429	180	.491	3
Spokane.....	115,800	78	.674	30	.259	3
Tacoma.....	107,100	44	.411	24	.224	2
Wisconsin:						
Milwaukee.....	581,200	—	—	273	.470	—
Total:						
47 cities.....	23,064,571	36,641	1.589	15,164	.657	2
83 cities.....	35,062,868	—	—	22,834	.651	—

TULARAEMIA

City	Cases reported, 1930	Deaths registered, 1930	City	Cases reported, 1930	Deaths registered, 1930
Georgia:			New York:		
Atlanta.....	5	0	New York.....	1	0
Illinois:			Ohio:		
Chicago.....	10	1	Cincinnati.....	22	3
Peoria.....	1	0	Cleveland.....	6	0
Kansas:			Columbus.....	6	0
Kansas City.....	1	0	Dayton.....	12	0
Kentucky:			Toledo.....	1	1
Louisville.....	17	3	Pennsylvania:		
Louisiana:			Erie.....	1	0
New Orleans.....	3	1	Pittsburgh.....	1	1
Maryland:			Tennessee:		
Baltimore.....	8	1	Knoxville.....	2	1
Michigan:			Memphis.....	2	0
Detroit.....	1	1	Nashville.....	13	0
Missouri:					
St. Louis.....	18	0			

TYPHOID FEVER

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	136	169	1.0264	12	0.046	6
California:								
Long Beach.....	144,100	7	11	10	.069	1	.007	10
Los Angeles.....	1,254,200	7	68	83	.066	18	.014	5
Oakland.....	285,700	7	22	19	.066	3	.010	6
San Diego.....	149,800	7	9	13	.087	0	—	—
San Francisco.....	637,500	7	59	38	.060	8	.013	5
Colorado:								
Denver.....	288,600	7	40	26	.090	6	.021	4
Connecticut:								
Bridgeport.....	146,800	7	7	19	.129	1	.007	19
Hartford.....	164,700	7	13	8	.049	2	.012	4
New Haven.....	162,700	7	26	5	.031	0	—	—
Waterbury.....	100,100	7	7	23	.230	1	.010	23

¹ Includes 33 nonresidents.² Includes 8 nonresidents.³ Includes nonresidents.

TYPHOID FEVER—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Delaware:								
Wilmington	4 106,597	7	11			5	0.047	
District of Columbia:								
Washington	488,100	7	90	85	0.174	16	.033	5
Florida:								
Jacksonville	130,500	4	39	10	.077	0		
Miami	112,600	6	32	14	.124	2	.018	7
Tampa	102,400	7	38	30	.293	3	.029	10
Georgia:								
Atlanta	272,100	7	93	112	.412	29	.107	4
Illinois:								
Chicago	3,392,900	7	155	123	.036	19	.006	6
Peoria	105,700	5	8	4	.038	0		
Indiana:								
Evansville	102,700	4	18			7	.068	
Fort Wayne	115,600	7	44	42	.363	3	.026	14
Gary	101,500	5	7	10	.098	1	.010	10
Indianapolis	365,400	7	42	24	.066	7	.019	3
South Bend	105,000	5	7	7	.067	0		
Iowa:								
Des Moines	143,000			9	.063	2	.014	4
Kansas:								
Kansas City	122,400	7	20	10	.082	0		
Kentucky:								
Louisville	309,500	5	114	39	.126	5	.016	8
Louisiana:								
New Orleans	460,500	7	166	176	.382	30	.065	6
Maryland:								
Baltimore	806,600	7	126	132	.164	27	.033	5
Massachusetts:								
Boston	782,000	7	120	67	.086	6	.008	11
Cambridge	113,700	7	15	7	.062	1	.009	7
Fall River	115,274	7	28	11	.095	3	.026	4
Lynn	102,400	7	15	5	.049	1	.010	5
New Bedford	112,897	7	10	2	.018	0		
Somerville	104,200	7	10	11	.106	2	.019	5
Springfield	150,400	7	11	9	.060	1	.007	9
Worcester	195,700	7	17	6	.031	0		
Michigan:								
Detroit	1,582,700	7	126	69	.044	17	.011	4
Flint	158,100	7	14	14	.089	1	.006	14
Grand Rapids	169,300	7	17	9	.053	1	.006	9
Minnesota:								
Duluth	101,500	7	14	21	.207	2	.020	10
Minneapolis	466,400	7	40	38	.081	6	.013	6
St. Paul	272,500	7	28	15	.055	2	.007	7
Missouri:								
Kansas City	401,600	7	48	29	.072	9	.022	3
St. Louis	823,200	7	138	128	.155	21	.026	6
Nebraska:								
Omaha	214,600	6	15	37	.172	2	.009	18
New Jersey:								
Camden	118,800	7	25	14	.118	5	.042	3
Elizabeth	115,000	7	16	6	.052	2	.017	3
Jersey City	317,200	7	26	14	.044	2	.006	7
Newark	443,000	7	44	16	.036	1	.002	16
Paterson	138,600	6	16	3	.022	0		
Trenton	123,500	7	30	24	.194	3	.024	8
New York:								
Albany	127,800	7	31	14	.110	1	.008	14
Buffalo	574,700	7	56	35	.061	11	.019	3
New York	6,962,400	7	890	497	.071	62	.009	8
Rochester	328,900	7	45	28	.085	6	.018	5
Syracuse	210,200	7	27	12	.057	1	.005	12
Utica	101,900	7	14	2	.020	0		
Yonkers	135,500	7	9	5	.037	1	.007	5
Ohio:								
Akron	256,200	7	23	20	.078	3	.012	7
Canton	105,300	7	8	6	.057	2	.019	3
Cincinnati	452,400	7	65	49	.108	10	.022	5
Cleveland	903,000	7	87	73	.081	14	.016	5

* Population, Apr. 1, 1930.

* Nonresident.

* Includes 1 nonresident.

TYPHOID FEVER—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Ohio—Continued.								
Columbus.....	291,900	7	25	22	0.075	8	0.027	3
Dayton.....	202,200	7	19	18	.089	1	.005	18
Toledo.....	291,900	7	54	38	.130	6	.021	6
Youngstown.....	170,900	7	23	24	.023	4	.023	7
Oklahoma:								
Tulsa.....	142,900	4	48	27	.189			
Oregon:								
Portland.....	302,900	7	34	36	.119	3	.010	12
Pennsylvania:								
Erie.....	116,500	7	14	16	.137	1	.009	16
Philadelphia.....	1,954,100	7	218	131	.067	18	.009	7
Pittsburgh.....	671,800	7	82	74	.110	10	.015	7
Reading.....	111,300	7	14	3	.027	1	.009	3
Scranton.....	143,600	6	23	13	.091			
Rhode Island:								
Providence.....	253,400	7	28	26	.103	5	.020	5
Tennessee:								
Knoxville.....	106,500	6	118	74	.695	2	.019	37
Memphis.....	255,400	7	223	166	.650	12	.047	14
Nashville.....	154,700	7	110	76	.491	19	.123	4
Texas:								
Dallas.....	262,900	6	86	59	.224	17	.065	3
El Paso.....	103,000	7	56	40	.388	7	.068	6
Fort Worth.....	164,800	7	35	23	.140	8	.049	3
Houston.....	296,100	7	46	55	.186	11	.037	5
San Antonio.....	233,300	7	34	23	.099	9	.039	3
Utah:								
Salt Lake City.....	140,800	7	42	40	.284	4	.028	10
Virginia:								
Norfolk.....	130,000	7	20	95	.730	5	.038	19
Richmond.....	183,200	7	62	38	.207	4	.022	9
Washington:								
Seattle.....	366,800	7	66	70	.191	8	.022	9
Spokane.....	115,800	7	19	13	.112	1	.009	13
Tacoma.....	107,100	7	19	7	.065	1	.009	7
Wisconsin:								
Milwaukee.....	581,200	6	24	25	.043	2	.003	12
Total:								
85 cities.....	35,435,671		4,928	3,599	.102	560	.016	6
87 cities.....	35,722,171		4,999	3,639	.102			
88 cities.....	35,787,968					574	.016	

* Includes nonresidents.

* Includes 3 nonresidents.

* Includes 4 nonresidents.

TYPHUS FEVER

City	Cases reported, 1930	Deaths registered, 1930	City	Cases reported, 1930	Deaths registered, 1930
California:					
Los Angeles.....	1	0	Georgia:		
Connecticut:			Atlanta.....	3	1
New Haven.....	1	0	Maryland:		
District of Columbia:			Baltimore.....	9	3
Washington.....	8	2	Massachusetts:		
Florida:			Boston.....	2	0
Jacksonville.....	5	0	New York:		
Miami.....	5	0	New York.....	14	2
Tampa.....	22	1	Texas:		
			Dallas.....	3	0
			Houston.....	2	0

UNDULANT FEVER

City	Cases reported, 1930	Deaths registered, 1930	City	Cases reported, 1930	Deaths registered, 1930
Alabama:			New Jersey:		
Birmingham.....	9	0	Newark.....	3	0
California:			New York:		
Long Beach.....	3	0	Albany.....	1	0
Los Angeles.....	6	0	Buffalo.....	1	1
Oakland.....	2	0	New York.....	8	2
Connecticut:			Utica.....	1	0
Bridgeport.....	2	0	Ohio:		
New Haven.....	1	0	Akron.....	1	0
Illinois:			Cincinnati.....	4	0
Chicago.....	10	0	Cleveland.....	2	0
Peoria.....	1	0	Columbus.....	2	0
Kansas:			Dayton.....	22	0
Kansas City.....	3	0	Pennsylvania:		
Louisiana:			Erie.....	1	0
New Orleans.....	3	1	Philadelphia.....	2	0
Maryland:			Tennessee:		
Baltimore.....	5	0	Memphis.....	7	0
Massachusetts:			Nashville.....	1	0
Boston.....	1	0	Texas:		
Michigan:			Dallas.....	3	0
Detroit.....	1	0	Utah:		
Minnesota:			Salt Lake City.....	3	0
Minnneapolis.....	2	0	Washington:		
Missouri:			Spokane.....	5	0
Kansas City.....		1	Tacoma.....	12	0
Nebraska:					
Omaha.....	4	0			

WHOOPIING COUGH

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham.....	261,600	7	257	167	0.638	16	0.061	10
California:								
Long Beach.....	144,100	7	234	76	.527	1	.007	76
Los Angeles.....	1,254,200	7	725	1,172	.934	40	.032	29
Oakland.....	285,700	7	368	325	1.137	7	.024	46
San Diego.....	149,800	7	685	667	4.453	11	.073	61
San Francisco.....	637,500	7	548	322	.505	3	.005	107
Colorado:								
Denver.....	288,600	7	725	1,550	5.370	38	.132	41
Connecticut:								
Bridgeport.....	146,800	7	93	29	.198	1	.007	29
Hartford.....	164,700	7	281	153	.929	6	.036	25
New Haven.....	162,700	7	303	264	1.623	2	.012	132
Waterbury.....	100,100	7	50	42	.420	1	.010	42
Delaware:								
Wilmington.....	106,597	7	76	63	.591	2	.019	31
District of Columbia:								
Washington.....	488,100	7	745	288	.590	13	.027	22
Florida:								
Jacksonville.....	130,500	4	267	143	1.096	3	.023	48
Miami.....	112,600	5	280	48	.426	2	.018	24
Tampa.....	102,400	7	24	33	.322	1	.010	33
Georgia:								
Atlanta.....	272,100	7	166	223	.820	32	.118	7
Illinois:								
Chicago.....	3,392,900	7	3,748	3,418	1.007	55	.016	62
Peoria.....	105,700	6	146	214	2.025	1	.009	214

¹ Population, Apr. 1, 1930.

WHOOPIG COUGH—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Indiana:								
Evansville.....	102,700	4	83	57	0.555	0	.....	.....
Fort Wayne.....	115,600	7	102	62	.536	2	.017	31
Gary.....	101,500	4	12	1	.010	1	.010	1
Indianapolis.....	365,400	7	1,056	463	1.267	8	.022	58
South Bend.....	105,000	6	79	28	.267	0	.....	.....
Iowa:								
Des Moines.....	143,000	1	11	8	.056	3	.021	3
Kansas:								
Kansas City.....	122,400	7	304	117	.956	4	.033	29
Kentucky:								
Louisville.....	309,500	5	205	294	.950	4	.013	73
Louisiana:								
New Orleans.....	460,500	7	153	151	.328	29	.063	5
Maryland:								
Baltimore.....	806,600	7	3,090	1,028	1.274	16	.020	64
Massachusetts:								
Boston.....	782,000	7	1,910	2,270	2.903	40	.051	57
Cambridge.....	113,700	7	502	402	3.534	4	.035	100
Fall River.....	115,274	7	167	182	1.579	7	.061	26
Lynn.....	102,400	7	162	643	6.279	5	.049	129
New Bedford.....	112,597	7	117	1	.009	0	.....	.....
Somerville.....	104,200	7	141	167	1.603	3	.029	56
Springfield.....	150,400	7	251	444	2.952	7	.047	63
Worcester.....	195,700	7	362	498	2.545	2	.010	249
Michigan:								
Detroit.....	1,582,700	7	3,305	3,467	2.191	46	.029	75
Flint.....	158,100	7	356	467	2.954	12	.076	39
Grand Rapids.....	169,300	7	507	200	1.181	2	.012	100
Minnesota:								
Duluth.....	101,500	6	183	424	4.176	2	.020	212
Minneapolis.....	466,400	7	120	232	.497	5	.011	46
St. Paul.....	272,500	7	851	634	2.327	1	.004	634
Missouri:								
Kansas City.....	401,600	7	526	328	.817	7	.017	47
St. Louis.....	823,200	7	1,250	431	.524	3	.004	144
Nebraska:								
Omaha.....	214,600	6	75	86	.401	2	.009	43
New Jersey:								
Camden.....	118,800	7	112	49	.413	3	.025	16
Elizabeth.....	115,000	7	215	132	1.147	2	.017	66
Jersey City.....	317,200	7	71	47	.148	12	.038	4
Newark.....	443,000	7	1,747	1,131	2.553	10	.023	113
Paterson.....	138,600	6	313	114	.823	1	.007	114
Trenton.....	123,500	7	96	135	1.094	7	.057	19
New York:								
Albany.....	127,800	7	248	431	3.374	4	.031	108
Buffalo.....	574,700	7	1,065	1,105	1.923	30	.052	37
New York.....	6,962,400	7	4,826	4,538	.652	125	.018	36
Rochester.....	328,900	7	440	299	.909	6	.018	50
Syracuse.....	210,200	7	598	1,593	7.577	9	.043	177
Utica.....	101,900	7	99	615	6.034	0	.....	.....
Yonkers.....	135,500	7	113	130	.960	2	.015	65
Ohio:								
Akron.....	256,200	7	718	557	2.174	1	.004	557
Canton.....	105,300	7	262	136	1.291	1	.009	136
Cincinnati.....	452,400	7	572	194	.429	6	.013	32
Cleveland.....	903,000	7	2,372	2,548	2.822	33	.037	77
Columbus.....	291,900	7	279	189	.648	6	.021	31
Dayton.....	232,200	7	38	14	.069	3	.015	5
Toledo.....	291,900	7	920	165	.565	2	.007	82
Youngstown.....	170,900	7	373	326	1.907	5	.029	65
Oklahoma:								
Tulsa.....	142,900	4	156	298	2.085	1	.007	298
Oregon:								
Portland.....	302,900	7	85	364	1.202	6	.020	61
Pennsylvania:								
Erie.....	116,500	7	467	418	3.587	0	.....	.....
Philadelphia.....	1,954,100	7	2,946	1,077	.551	24	.012	45
Pittsburgh.....	671,800	7	1,253	1,248	1.858	40	.060	31
Reading.....	111,300	7	395	387	3.479	2	.018	193
Scranton.....	143,600	6	160	91	.634	.....	.....	.....

¹ Population, Apr. 1, 1930.² Incomplete reports.³ Includes nonresidents.

WHOOPIING COUGH—Continued

City	Estimated population, July 1, 1930	Estimated expectancy		1930				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Rhode Island:								
Providence.....	253,400	7	149	615	2.427	18	0.071	34
Tennessee:								
Knoxville.....	106,500	6	51	43	.404	1	.009	43
Memphis.....	255,400	7	387	259	1.014	11	.043	24
Nashville.....	154,700	7	131	112	.724	6	.039	19
Texas:								
Dallas.....	262,900	7	441	166	.631	3	.011	55
El Paso.....	103,000	7	506	108	1.048	3	.029	36
Fort Worth.....	164,800	6	21	8	.049	2	.012	4
Houston.....	296,100	5	10	11	.037	3	.010	4
San Antonio.....	233,300					11	.047	
Utah:								
Salt Lake City.....	140,800	7	449	1,336	9.488	13	.092	103
Virginia:								
Norfolk.....	130,000	6	320	83	.638	2	.015	41
Richmond.....	183,200	7	215	50	.273	11	.060	5
Washington:								
Seattle.....	366,800	7	525	695	1.895	0		
Spokane.....	115,800	7	238	411	3.550	5	.043	82
Tacoma.....	107,100	7	160	223	2.083	2	.019	111
Wisconsin:								
Milwaukee.....	581,200	7	1,837	2,121	3.649	8	.014	265
Total:								
88 cities.....	35,697,568		51,820	46,763	1.310	879	.025	53
89 cities *.....	35,841,168		51,980	46,854	1.307			
89 cities *.....	35,930,868					890	.025	

* Not the same groups of cities for cases and deaths.